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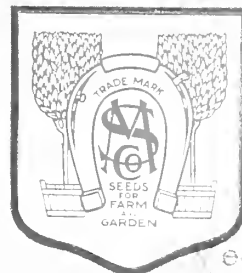
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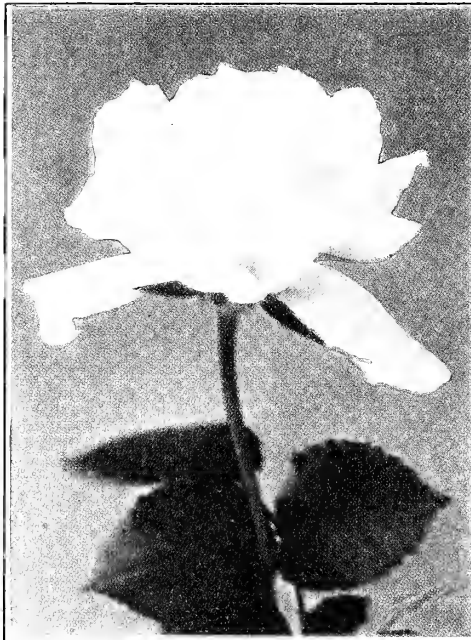
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U. S. Department of Agriculture.

Miller



eggs

JAN 29 1929



SPECIAL OFFER

M-S EVERBEARING ROSES

in 6-inch pots
all in bud.

Price, \$1.25 each.

Collection of Eight . . . \$9.00

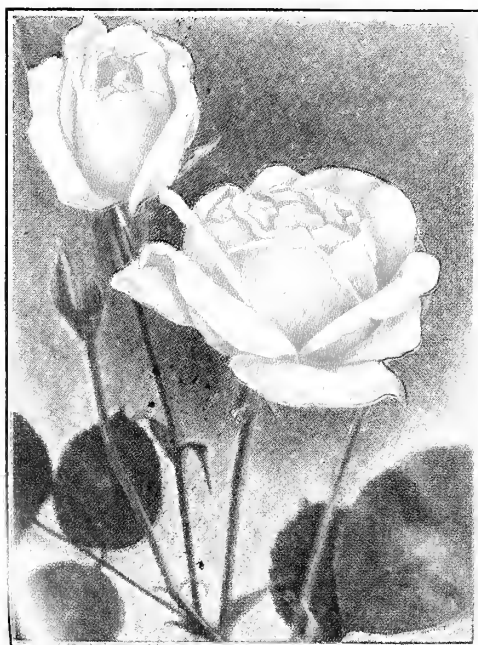
Delivery during May.

City, Suburban and Express
delivery only.

Top Row — Red Radiance, Kaiserin
Aug. Victoria, Souv. de Claudius
Pernet.

Center Row — Duchess of Wellington,
Hadley.

Bottom Row — Pink Radiance, Miss
Willmot, Columbia.



DATE.....192.....

C/O.....FREIGHT & EXPRESS ADDRESS.....

SEND BY STATE.....

CHARGE TO.....SUPERINTENDENT'S or
GARDENER'S NAME.....

CHARGE ADDRESS.....

AMOUNT ENCLOSED	STAMPS	M. O.	CHECK	CASH
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DON'T
WRITE HERE

SPEC. TERMS

**DO NOT FILL OR SHIP UNLESS MARKED
PAID, OR CHARGE AND REGISTERED**

ORDER No. _____

[illegible]

The Meyer Seed Co. endeavor to send out only the very best quality of Seeds, Bulbs and Plants, but cannot guarantee results or crops. If customers do not accept goods on the above conditions they can be returned to us at once. No plants sent C. O. D.

SPECIAL NOTICE

It is always best to write letters and inquiries on a separate memorandum. NOT on order sheets.

OVER

[illegible]



1910-Nineteenth Annual Edition-1929

The Meyer Seed Co.'s Garden Book

To Our Many Friends And Customers

We take this means of sending you a word of thanks and gratitude for the great support we have received from you this past season. We hesitated to make the change of going into larger quarters, being doubtful as to the outcome, but through your loyalty results in our progress have been beyond our expectation. So we want to tell you again that it is at all times our aim to handle only the best in any seeds, bulbs, plants, horticultural and poultry supplies we may send out, our contracts on seeds and bulbs being made with the most careful growers in localities where the different varieties succeed the best and you will not regret placing orders with us. All items marked M.-S. are of special merit (Meyer-Special).

Although we take all possible care to supply only such goods as will, under proper conditions, produce satisfactory results, we give no warranty, express or implied as to description, quality, or any other matter of any seeds, bulbs, or plants we send out, and will

not be responsible for the crop. It must, however, be plain to everyone who gives the matter the slightest thought that it is to our best interest to send out only such stock as will not only grow, but prove true to name and description.

Our organization is constantly on the alert to live up to our motto: "Sterling quality, courteous treatment and punctuality." We are constantly trying to secure new, proven varieties in flowers and vegetables to help make gardening a success.

With thanks for your valued patronage, and every wish for our pleasant business relationship, we are,

Yours for Service,

THE MEYER SEED COMPANY,

John F. Meyer

WHAT A FLOWER GARDEN TEACHES

By Roe Fulkerson.

"I have a hundred dollars invested in seeds, bulbs, roots and tubers in the ground," he explains. "Man, Sir! There was never a poker game, a race track or a pair of bones that would give a man with gambling instinct a better run for his money than a flower garden! There are worms and bugs and grubs and droughts and wet spells to fight. If you lose, the whole works go flooie. If you win, oh boy, the flowers you get!"

"Digging in a garden is better exercise than golf, better gambling than poker, better fun than a circus and brings finer presents than Christmas.

"I have learned a lot in planting my flower garden; a lot about men and a little about God. Most of us are so busy we do not get much time to think about God. Most of us are so shaky in our faith that we push God aside or put him in the 'Unanswered' file. A flower garden won't permit that. It impresses you that He is right here, now.

"I take a bulb, dull brown and seemingly lifeless and bury it in the earth to see it spring into life and bring forth a thousand times its bulk in leaf and lovely flower. How can I ever again question the full truth of life beyond the grave or fail to laugh at a preacher who has to go to the Bible to prove it?

"I study the grub and the beetle, the chrysalis and the butterfly. How can I doubt there is a Supreme power over and above all, who plans and executes each of these great wonder works in the little creeping, flying and digging things?

"I dig in the earth, I crumble it in my hands, I get close to it by actual contact, I am a bigger and better man from getting away from theory into the realm of reality, from books and magazines like this, which are all one-man stuff, into the land of all-man stuff. I am a better man for having planted and watered and dug and delved until my back ached and my tender palms were blistered from the spade and the trowel.

"Like you, I have buried my dead. I, too, have watered with my bitter tears the graves of those I loved and left in the narrow house appointed for all living.

"But as I plant the sleeping bulbs and the dormant seeds, as I laid in the ground and covered tenderly those dead looking tubers and roots, I realize that the warm breath of God's Spring, the tender rains of His April, and the sweet influence of His great plan will bring to life and make them spring triumphant from the graves in which I so tenderly plant them. So, too, will my loved ones, by His warm smile and His gentle plan be restored to me. Some Day, Some How, Some Place. I know not when or how, nor do I care. I know that He whose plan restores the flowers each year, brings back their blooms and their green leaves, will not be less gentle or less tender to me. I know no denomination or creed. I care little for dogma or denomination and less for the battle between modernism and fundamentalism, but my garden chants, 'There is a God, and all is well!'

"Sounds like a sermon, doesn't it? I did not so mean it. I am only trying to tell you some of the fun I am having out of my flower garden and suggesting you shoot a little wad of dough in one as a fine gambling proposition. The Vicar of Pilling, who had a world-known rose garden, wrote:

"In the kiss of the sun there is pardon,
In the song of the bird there is mirth,
We are nearer God's heart in a garden,
Than anywhere else on earth."

IMPORTANT.—Merchandise to be credited must be returned within five days in good order free of expense to us. Parties having no account with us—who order goods without remittance—must furnish satisfactory reference. Baltimore reference preferred on account of the shorter delay pending investigation. Order Sheet is provided in this book.

Telephone Service Plaza 6170 and 6171.

NOTICE.—Our customers are at liberty to park their automobiles in front of our place while making their purchases in our store.

M.-S. LAWN GRASS SEED MIXTURES BACKED BY A 18-YEAR REPUTATION.

M.-S. ROLAND PARK LAWN GRASS is made from our own formula, and composed of grasses which are adapted for the purposes of producing lawns which retains its rich green color and velvet appearance throughout the entire summer and fall. 1 lb. 40c; 3 lbs. \$1.15; 5 lbs. \$1.80; 10 lbs. \$3.50; bushel of 30 lbs. \$10.00.

M.-S. SHADY NOOK GRASS—The grasses used in making this special mixture are only those that are well adapted for growing in shade. 1 lb. 40c; 3 lbs. \$1.15; 5 lbs. \$1.80; 10 lbs. \$3.50; bushel of 30 lbs. \$10.00.

M.-S. PLEASURE GROUND MIXTURE—This special mixture is made from our own formula, and will produce a permanent turf that will stand the hardest wear. 1 lb. 40c; 3 lbs. \$1.15; 5 lbs. \$1.80; 10 lbs. \$3.50; bushel of 30 lbs. \$10.00.

M.-S. VELVET LAWN GRASS SEED—A Cloverless grass seed mixture containing only the choicest fine bladed varieties. Where a very fine velvet lawn is desired we recommend this seed. 1 lb. 60c; 3 lbs. \$1.75; 5 lbs. \$2.50; 10 lbs. \$4.75; bu. of 30 lbs. \$13.50.

M.-S. TERRACE MIXTURE—Composed of deep rooted varieties adaptable for terracing. 1 lb. 40c; 3 lbs. \$1.15; 5 lbs. \$1.80; 10 lbs. \$3.50; bushel of 30 lbs. \$10.00.

M.-S. GOLF LINK MIXTURE—This mixture is composed exclusively of fine-bladed grasses which will withstand frequent close cutting and tramping. It does not contain any White Clover. 1 lb. \$1.00; 3 lbs. \$2.75; 5 lbs. \$4.25; 10 lbs. or more, at 80c per lb.

M.-S. SEASHORE LAWN GRASS—Is all that its name implies. 1 lb. 50c; 3 lbs. \$1.25; 5 lbs. \$2.25; 10 lbs. \$4.25; bushel of 30 lbs. \$12.00.

WOOD'S MEADOW GRASS—For shady situations in parks and densely shaded lawns, this grass has no superior. It is related to Kentucky Blue Grass and produces a firm and attractive turf. Lb. 75c.

SOUTH GERMAN BENT GRASS—Especially adapted for putting greens and wherever a velvet-like lawn is wanted. 1 lb. \$1.00.

WHITE CLOVER— $\frac{1}{4}$ lb. 15c; $\frac{1}{2}$ lb. 30c; 1 lb. 50c.
Special price in large quantities on quotations on all listed grasses. By parcel post add as to zones.

PRICES ON GRASSES ARE SUBJECT TO MARKET FLUCTUATIONS.

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PARCEL POST RATES

We deliver by PARCEL POST FREE to any Postoffice in the United States all cash orders for Flower and Vegetable Seeds in packets, ounces and $\frac{1}{4}$ pounds, unless otherwise noted. No seed delivered free unless order is accompanied with the cash. For postage on Peas, Beans, Corn, Vegetable and Field Seeds in larger quantities and All Merchandise, consult table below. All merchandise other than seeds, bulbs and plants up to and including 4 oz. in weight can be sent at the rate of 1c an ounce regardless of distance. Over 4 ozs. at the Zone Rate.

NOTE.—When estimating postage on goods not included in

our free delivery, bear in mind that while the packing on one pound may only weigh the fraction of a pound, it must be considered as a full pound when adding postage. On larger quantities add postage in proportion.

Limit of weight for delivery within local, first, second and third zones is 70 pounds; to all other zones, 50 pounds.

When larger quantities are wanted we can pack in two or more parcels if necessary, provided money is remitted to cover postage.

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	1st lb.	Add'l lb.
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1 and 2 zone—150 miles.....	7c	1c
3 zone—150 to 300 miles.....	8c	2c
For each additional zone add 1c. For each additional lb. add 2c.		

Plant in succession.
Keep your garden space busy all the time, and you will be eating fresh vegetables all summer at a profit.

Planting Calendar

Make Your Garden Work
Spring, Summer, and Fall.

FLOWERS

MARCH

Sow Outdoors	
Sweet Peas.	
Plant Indoors	Set Out
Ageratum	May 1
Antirrhinum (Snap-dragon)	May 15
Asters	May 10
Carnation, Marguerite	May 1
Celosia, Cockscomb	May 1
Cobea scandens	May 1
Heliotrope	May 10
Hollyhock	May 10
Lobelia	May 1
Pansy	May 1
Petunia	May 1
Salvia	May 1
Stocks (Gilliflower)	May 15
Verbena	May 1
Wallflower	May 1

APRIL

Sow outdoors Nasturtiums.
All those listed for March may also be planted in April, and, in addition, the following:

Sow Indoors	Set Out
Alyssum	May 1
Calendula	May 1
Coleus	May 15
Cosmos, Late	May 1
Dahlias	May 1
Delphinium Chinese	May 15
Gourds, Ornamental	May 1
Helianthus Sunflower	May 1
Marigold	May 1
Mignonette	May 1
Nicotiana	May 1
Phlox Drummondii	May 1
Poppy, Iceland	May 15
Ricinus (Caster-Oil Plant)	May 10
Salpiglossis	May 10
Scabiosa	May 1
Vinca rosea	May 10
Zinnia	May 1

MAY

This is the month of outdoor sowing and planting. The following list of flowers comprises those which may be sown in the open, and which will mature into perfection before frosty weather sets in.

Sow Outdoors	
(Do not require transplanting)	
Sweet Alyssum	
Calendula	
Calliopsis	
Candytuft	
Centaurea (Bachelor's Button)	
Chrysanthemum, Annual	
Clarkia elegans	
Cosmos, Early	

MAY—Continued

Delphinium Chinese	
Dianthus (Chinese Pinks)	
Eschscholtzia (California Poppy)	
Gaillardia (Blanket Flower)	
Godetia	
Ornamental Gourds	
Helianthus cucumerifolius (Miniature Sunflower)	
Hunnemannia fumariaefolia	
Larkspur, Annual	
Lupins, Annual	
Marigold	
Mignonette	
Morning Glory	
Nasturtiums	
Petunia	
Phlox Drummondii	
Poppy	
Portulaca	
Salpiglossis	
Scabiosa	
Verbena	
Zinnia	
and all other annuals	
(Should be transplanted)	
Asters	
Balsam	
Celosia (Cockscomb)	
Cosmos, Late	
Dahlias	
Marigold	
Mignonette	
Nicotiana	
Ricinus	

JUNE

This is the month to sow perennials. The varieties listed below can easily be grown from seed. All of them may be sown from June till middle of September.

To Remain Where Sown	
Alyssum saxatile compactum	
Aconitum (Monks Hood)	
Aquilegia (Columbine)	
Asters, Hardy	
Coreopsis	
Campanula (Bluebells)	
Candytuft, Sempervirens	
Hibiscus	
Lupins	
Poppies, Iceland	
Poppies, Oriental	
Sweet William	
Valerian (Garden Heliotrope)	
To Be Transplanted	
Canterbury Bells	
Delphinium (Larkspur)	
Digitalis (Foxglove)	
Gaillardia grandiflora	
Hollyhocks	
Pyrethrum	

FLOWERS—Continued

JULY

This is the most important month for sowing some flower seeds. The following biennials, if sown in July and transplant-

ed in August or September, will flower the following spring.

Variety	
Bellis (English Daisies)	
Pansies	
Myosotis (Forget-me-not)	

Bulbs, Tuberous Roots and Potted Plants

MAY

Plant Outdoors	
Begonias	Dahlias
Caladiums	Gladioli
Fonies	Tuberose
Cannas	

SEPTEMBER, OCTOBER AND NOVEMBER

Hyacinths	Lilies
Tulips	Jonquils
Narcissus	Crocus
In fact, all Spring Flowering Bulbs.	

VEGETABLES

MARCH

The only vegetables to be planted out-of-doors in March. All early peas and onion sets. There are a number of vegetables, however, which may be started indoors or in hotbeds.

Plant Indoors	Set Out
Artichoke, Globe	June 1
Cabbage, Early	April 1
Cauliflower, Early	May 1
Celery	June 1
Eggplant	May 15
Kohlrabi	April 15
Lettuce	April 15
Parsley	May 1
Pepper	May 15
Tomato	May 1

Outdoors

Peas, Early Smooth
Onion Sets

APRIL

All the seeds mentioned in the March table can be started in April, and also the following:

Plant Indoors	Set Out
Beets	May
Brussels Sprouts	June
Cabbage, Late	June
Cauliflower, Late	June

Plant Outdoors

Asparagus, Roots	Parsley
Beets	Parsnip
Carrots	Peas, Early
Cress	Wrinkled
Kohlrabi	Potatoes
Lettuce	Radish
Mustard	Rhubarb, Root
Onion Seed	Swiss Chard
Onion Sets	Squash
Set out Lettuce started indoors in March.	Turnip

MAY

Plant Outdoors

Asparagus Seed	Watermelon
Beans, Bush	Okra
Beans, Pole	Peas, Late
Corn, Sugar	Pumpkin
Cucumber	Squash
Muskmelon	

All the seeds mentioned in the April table may also be sown in May.

Set out early cabbage, early cauliflower and tomato plants started indoors in March and April.

JUNE

Plant Outdoors

Beans, Late Bush
Beans, Late Pole

Set out Globe artichokes, Brussels sprouts, late cabbage, cauliflower, celery, eggplants, and peppers which have started indoors.

Plant Swiss chard, sugar corn, lettuce, late peas, radishes, beets and turnips for late crops.

JULY AND AUGUST

Plant Outdoors

Stringless Green Pod Beans
Stringless Wax Pod Beans
Ruta Baga
Winter Radishes
Kale, Turnip
Spinach

SEPTEMBER AND OCTOBER

Plant Outdoors

Corn Salad, Spinach
Kale, Multiplying Onion

Plant Under Glass

Lettuce, Parsley
Early Radishes

Grow Vegetables for Winter Use

After you have harvested your early crop of vegetables why not plant a second crop for winter use?

It is in winter that vegetables cost most. Your garden can be made to save you a great deal of money if you plant succession crops during the summer and early fall.

Sow Beets and Carrots any time during June. Turnips are sweetest if planted the latter part of June or early in July. Summer Radishes can be sown all during June and July.

Sweet Corn sown the middle of June will give fine tender ears early in October. A row of Bush Beans planted during the first

week of July will bear an immense crop of juicy and snappy pods until frost.

Cucumbers planted the last two weeks in June will make the finest pickles you ever raised.

Also try a row of Chinese Cabbage. It does best if planted early in August. For a good supply of crisp and juicy Head Lettuce for the fall table, sow the seed about the second week in July. And don't forget to sow a long row of Spinach any time during August, to give plenty of greens until snow covers the ground.

SPRAYING TABLE

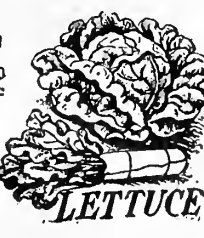
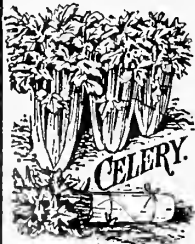
Use insecticides at the right time—and keep
your plants and flowers free from insect pests

WHAT TO SPRAY AND WHAT TO SPRAY FOR	SPRAY WITH	TIME OF FIRST SPRAYING	TIME OF SECOND SPRAYING	TIME OF THIRD SPRAYING
APPLES—				
Bitter Rot.....	Bordeaux mixture, Pyrox.....	First appearance of rot.....	One to two weeks later.....	Two weeks later.
Canker Worm.....	Arsenate of lead, Pyrox.....	On first appearance of worms...	Two or three days later if worms remain	Same as second.
San Jose Scale.....	Scalecide or lime-sulphur.....	Just as the leaf buds are swell- ing.....	Just before the flower buds open.	As soon as the petals have fallen.
Scab.....	Scalecide or lime-sulphur.....	After the leaves have come out, but before the flower buds ap- pear.....	Within eight days from the time petals drop.....	One month later
Codling Moth.....	Arsenate of lead, Pyrox.....	Within eight days from the time the petals drop.....	One month later.	
SPARAGUS—				
Beetle.....	Arsenate of lead, Pyrox.....	Early spring.	Ten days later.....	Ten days later
Rust.....	Bordeaux mixture or Pyrox.....	After cutting crop.....		
CABBAGE AND CAULI- FLOWER.....	Slug Shot, Bug Death, Pyrox.....	On first appearance of worms...	Whenever worms are noticed.	Before or after transplanting.
CELERY	Bordeaux mixture, Pyrox.....	On young seedlings.....	Repeat on seedlings.....	
CHERRY—				
Aphis.....	Black Leaf 40, Red Arrow	At first appearance.....	Repeat as necessary.	
San Jose Scale.....	Scalecide or lime-sulphur.....	Spray same as for apples. Just before blossoms open	When fruit is free from calyx.	
Leaf-spot.....	Bordeaux mixture, Pyrox.....	When plants begin to run.....	Two weeks later.....	Two weeks later.
CUCUMBERS—	Bordeaux mixture, Pyrox.....	When plants begin to run.....	Ten days later.....	Nine days later
Anthrachnose.....	Bordeaux mixture, Pyrox.....	As leaves are unfolding.....	Two weeks later.....	Two weeks later.
Downy Mildew.....	White hellebore, Pyrox.....	When they first appear.....	In three or four days.....	Repeat three or four days later.
CURRENT—				
Leaf-spot.....	Bordeaux mixture, Pyrox.....	Before leaves start.....	Two weeks later.....	Two weeks later.
Worm.....	Same as for currants.	When buds are breaking	Repeat every ten days until fruit is gathered.	
GOOSEBERRY—	Grape dust, Pomo dust.....			
Leaf-spot.....	Bordeaux mixture, Pyrox.....	Just before the buds open.....	Just before blossoming.....	After fruit has set.
Worm.....	Arsenate of lead, Pyrox.....	Before blossoms are ready to open.....	After blossoms have fallen.....	Ten days later.
Mildew.....	Bordeaux mixture, Pyrox.....	Just before blossoming.....	After fruit has set.....	Ten days later.
GRAPE—	Bordeaux mixture, Pyrox.....	Just before blossoming.....	Just after fruit has set.....	Eight days later.
Anthrachnose.....	Bordeaux mixture, Pyrox.....	When plants begin to vine.....	Two weeks later.....	Two weeks later
Berry Moth.....	Bordeaux mixture, Pyrox.....	July 25 to August 1.....	Ten days later.....	Nine days later.
Downy or Powdery Mildew.....	Bordeaux mixture, Pyrox.....	When plants begin to vine.....	Three weeks later.....	Three weeks later
Rot.....	Bordeaux mixture, Pyrox.....	In March or April, or both, to make doubly sure.....	Two or three weeks later.	About one month before fruit ripens. Omit arsenate of lead.
MUSKMELON—	Self-boiled lime-sulphur and arsenate of lead.....	About time shucks are shed- ding from young fruit or on first appearance.....	After fruit has set.....	Repeat later when fruit is about half grown.
Anthrachnose.....	Sulfocide, self-boiled lime-sul- phur.....	Just as buds begin to swell.....	After blossoms fall.....	Repeat at intervals of three to seven days.
Downy Mildew.....	Scalecide or lime-sulphur.....	Spray same as for apples	Just after blossoms drop.....	Five days later.
Leaf-blight.....	Bordeaux mixture.....	Cut out the branches on first appearance on twigs.....	When leaves are half grown.....	Three weeks later if necessary.
PEACH—				
Leaf-Curl.....	Bordeaux mixture, Pyrox.....	As buds are swelling or on ap- pearance.....	Three weeks later.....	Three or four weeks later.
Brown Rot.....	Bordeaux mixture, Pyrox.....	When plants are 6 inches high. As for early light to July.....	Seven to ten days later.....	Two weeks later.
Stab.....	Bordeaux mixture, Pyrox.....	When pest appears.....	Repeat if necessary.	Two weeks later.
San Jose Scale.....	Bordeaux mixture, Pyrox.....	Before leaves open.....	When new canes are 6 to 8 inches high.....	Ten days later.
PEAR—				
Leaf-blight.....	Bordeaux mixture.....	When pest appears.....	Repeat in three or four days.	Two weeks later.
Psylla.....	Black Leaf 40, Red Arrow or whale-oil soap.....	When leaves are half grown.....	Two weeks later.....	Repeat if necessary.
PLUM—				
Curcilio.....	Arsenate of lead.....	In winter use commercial lime- sulphur for eggs.....	After blossoms fall.....	Repeat at intervals of three to seven days.
Aphis.....	Whale-oil soap, Black Leaf 40.....	With starting of buds.....	Just after blossoms drop.....	Five days later.
Shot-hole Fungus.....	Scalecide, lime-sulphur or bor- deaux mixture.....	On Appearance of Aphis.....	When leaves are half grown.....	Three weeks later if necessary.
Rot.....	Bordeaux mixture, Pyrox.....	As buds are swelling or on ap- pearance.....	Just after calyx drops.....	Three or four weeks later.
POTATO—				
Early blight.....	Bordeaux mixture, Pyrox.....	When plants are 6 inches high. As for early light to July.....	Seven to ten days later.....	Two weeks later.
Late blight.....	Bordeaux mixture, Pyrox.....	When pest appears.....	Repeat if necessary.	Two weeks later.
Potato Beetle.....	Paris green, slug shot bug death, Pyrox, Calcium arsenate	When pest appears.....	When new canes are 6 to 8 inches high.....	Ten days later.
RASPBERRY—	Bordeaux mixture, Pyrox.....	Before leaves open.....	Repeat in three or four days.	Two weeks later.
Anthrachnose.....	Bordeaux mixture, Pyrox.....	When leaves are half grown.....	Two weeks later.....	Repeat if necessary.
Saw-fly.....	Paris green and arsenate of lead or hellebore.....	On first appearance of fungus...	Two or three weeks later.....	Repeat if necessary.
Leaf-spot.....	Bordeaux mixture, Pyrox.....	On appearance of slugs, etc.....	Repeat if necessary.	
ROSE—				
Leaf-spot.....	Pomo dust, All in one dust.....	Soon after growth begins.....	Make three or four sprayings during season.....	The following springs spray just be- fore blossoming and again 10 days later.
Mildew.....	Powdered sulphur, Pomo dust, All in one dust.....			
Slug, Aphis, etc.....	Red Arrow, Evergreen, Black Leaf 40, Nicofume Liquid, All in one dust.....			
STRAWBERRY—	Sulphate of iron, bordeaux mix- ture, Pyrox.....			
Leaf-spot.....				
SQUASH—				
Aphis.....	Red Arrow or Black Leaf 40	Spray under side of leaves. As soon as pest appears.		
Lady Beetle.....	Arsenate of lead, Pyrox.....			
TOMATO—				
Anthrachnose.....	Bordeaux mixture, Pyrox.....	Soon after fruit begins to set	Three weeks later.....	Three weeks later.
Leaf-blight.....	Whale-oil, soap and water.....	Three weeks after transplanting	Three weeks later.....	Three weeks later.
White Fly.....	Bordeaux mixture, Pyrox.....	Spray underside of leaves thoroughly		

Bean Beetle Spread in Maryland Rapid.

gain first-hand information concerning the destructiveness of this most recently acquired insect pest. We recommend Red Arrow, Evergreen, Slug Shot, Beetle Dust, Calcium Arsenate 1 part and Hydrate Lime 7 parts as a dust. Also Bordeaux Mixture, 4-4-50, with the addition of one pound of Calcium Arsenate to each fifty gallons of spray has proved to be satisfactory. For small areas, one level teaspoonful of Calcium Arsenate to each gallon of Bordeaux will give the proper proportion. Sprays to be effective, it is pointed out, should be directed upward to cover the underside of the leaves where the beetles do their feeding. Calcium Arsenate should not be used after the bean has set. All beans sprayed or dusted should be washed before using.

Ravages of the Mexican bean beetle the past year in gardens and truck patches throughout the State has given us an opportunity to



Vegetable Plants and Roots

Cash with Order—No Plants Sent C. O. D.

All of our plants are produced from our M.-S. SURE GROWING SEEDS, and will give wonderful results. If wanted in larger quantities, write for special quotations. The time when plants are ready is greatly controlled by the season, the specified time is the earliest date.

ARTICHOKE (Ready in April)

Jerusalem—Used for the table and stock feeding. Qt. 35c; peck \$1.50; per bushel of 60 lbs. \$5.00.

ASPARAGUS ROOTS (Ready Oct. 15 to May 15)

Two-year-old roots usually produce second year after planting.
2-Year-Old Roots. Doz. 100 1000
Columbian Mammoth White (White) \$0.30 \$1.25 \$ 9.00
Palmetto (Green Stalks)..... 0.30 1.25 9.00
Mary Washington (Dark Green Stalks) 0.50 1.75 12.00
If wanted by mail add 10c to doz.; 15c to 100; 35c to 1000.

BORECOLE PLANTS (Ready July 1)

20c doz.; 75c per 100; by mail, add 5c to doz.; 15c to 100.

BRUSSELS SPROUTS (Ready in July)

Matchless Improved—12 for 25c; 75c per 100; per 1000, \$6.00.
If wanted by mail, add 10c per 100 for postage; 5c per doz.

FROST-PROOF CABBAGE (January to May)

Our FROST-PROOF CABBAGE PLANTS mean increased profits for the Market Gardener, and earlier cabbage for the Home Gardens, as they produce heads at least two or three weeks earlier than plants grown in hot beds or cold frames. They are tough and hardy and will stand any reasonable cold, even as low as 20 degrees above zero without damage to them.

These plants do not begin any new growth of their tops until the spring weather arrives, however, the roots of the plants have become so firmly established that the warm spring sunshine soon hastens the growth of them.

We advise all cabbage growers to set these plants at least a month to six weeks earlier than you would set home-grown plants to get the desired results.

Send in your order about a week or ten days before plants are wanted, as it takes a few days to get plants to you.

Varieties—Early Jersey Wakefield, Charleston Large Wakefield, Copenhagen Market, Early Flat Dutch and Succession.

Prices by parcel post prepaid: 50c per 100; 500 for \$1.60; 1,000 or more at \$3.00 per 1,000 plants.

By express, customer paying express charges: 1,000 to 4,000 at \$2.00 per 1,000; 5,000 or more plants at \$1.50 per 1,000; cash with order.

See Special Onion and Cabbage Pack.

CABBAGE PLANTS (Season beginning April 1)

Early Flat Dutch and Jersey Wakefield—From hot beds. 15c per doz.; 50c per 100; per 1000, \$4.00.

Late Flat Dutch and Savoy—15c doz.; per 100, 50c; \$4.00 per 1000. If cabbage plants are wanted by mail, add 10c per 100; 5c dozen; 25c 1000. Ready May 1st.

CAULIFLOWER PLANTS (Ready April 1)

Snowball, variety only—From hot beds. 25c per doz.; \$1.50 per 100. By mail, add 5c per doz., or 10c per 100 for postage charges.

CELERY PLANTS (Ready in July)

Golden Heart, White Plume, Giant Pascal, Winter Queen and Golden Self-Blanching. 25c dozen; \$1.00 per 100; \$7.50 per 1000. By mail, allow 10c per 100 for postage; 5c per dozen.

EGG PLANTS POTTED (Ready after May 1)

M.-S. Ebony King and Black Beauty—7c each; 75c doz.; \$5.50 per 100. Best sent by express. Mail, add 2c to each plant.

HORSE RADISH ROOTS (Ready in March)

Maliner Kren (Bohemian)—Large, strong cuttings, 35c per doz per 100, \$1.00; \$7.00 per 1,000. If Horse Radish are wanted by mail, add 10c per 100 for postage; 5c per doz.

LETTUCE PLANTS (Ready April 1)

Leading varieties—10c doz.; 50c per 100; \$4.00 per 1,000. If wanted by mail, add 10c per 100 for postage; 5c doz.

CRYSTAL WAX AND YELLOW BERMUDA ONION PLANTS (January to May)

Onion Plants are fast taking the place of the old dry sets. Our Onion Plants are grown from the best and purest seed obtainable, bred up to the highest degree which assures you that they will not revert back to the hot red onion. The Bermuda Onion is very sweet and mild and can be eaten like an apple. Onion Plants produce the matured onion two weeks or more ahead of the dry set on account of the fact that the dry set has to be absorbed by the new growth before it begins to grow the new onion, whereas the plant begins to grow as soon as it is planted and makes more headway than the set and gives you young green table onions in a very few weeks. Onion Plants do not produce splits and doubles or run to seed like the dry sets. They will stand the most severe cold weather, even more than Cabbage Plants, and when the tops are frozen to the ground they will come out again and produce the finest onions. For small gardens these plants may be planted in rows 6 inches apart and 4 inches apart in the drill and on a spot 12 feet square it will take almost 1,000 plants.

All Onion Plants are tied 100 to the bunch and all orders should be sent in for even hundreds.

Remember that our Plants are GUARANTEED to reach you in good condition and full count and if you are not entirely satisfied your order will be refilled without question FREE OF CHARGE.

Prices by parcel post prepaid: 50c per 100; 500 for \$1.60; 1,000 or more at \$3.00 per 1,000 plants.

By express charges collect: 1,000 to 4,000 at \$2.00 per 1,000; 5,000 or more plants at \$1.50 per 1,000.

"M.-S." Special Pack

500 Wax Onion Plants. 500 Yellow Onion Plants.

4 Dozen Cabbage Plants.

Postpaid, \$3.00.

At the same price as 1,000 Onion Plants.

PEPPER PLANTS (Ready in May)

California Wonder (sweet), Bull Nose, and Long Red Cayenne (hot).—Hot Red Grown. 25c per doz.; per 100, \$1.50. By mail, add 10c 100; 5c doz. Potted plants, sweet varieties only. 6c each; 60 doz.; \$4.50 100; if to go by parcel post, add 1c to each plant.

RHUBARB ROOTS (Ready October to May 15)

Victoria—First Size Roots. 10c each; \$1.00 per doz.; per 100, \$7.50. Allow 5c each or 20c dozen for postage, if wanted by mail.

SWEET POTATO PLANTS (Ready in May)

Yellow Big Stem and Up Elvers—50c per 100; 1,000, \$4.00. If wanted by mail, allow 8c per 100 for postage, 25c per 1,000.

TOMATO PLANTS (Ready after April 15)

Pot-Grown Plants in the following varieties only: Early Wonder, Bonnie Best, Chalk's Jewel, 7c each; doz. 75c; \$5.50 per 100. By mail, add 1c per plant.

Hot-Bed Plants: Bonnie Best, Marglobe, Stone. 20c per doz.; per 100, 60c; \$4.00 per 1000. By mail, allow 5c per doz.; 15c per 100; 40c per 1000.

We pay postage on pkts., ozs., $\frac{1}{4}$ lbs., 1 lb. of Vegetable Seeds.

Asparagus—Seeds and Roots

(German—Spargel. French—Asperge)
(ROOTS READY AFTER MARCH 1st)One ounce to forty feet of drill; 5 lbs. per acre.
7,300 Asparagus Plants are needed to plant an acre.

Mary Washington Asparagus.

tinted darker at the tips. It is a very early yielder of exceptionally fine flavor. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.**Palmetto**—It is of very large size, even and regular in growth and appearance. It is a very early sort, and immensely productive and of the best quality. Green shoots. Pkg. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

For Plants, see page 5.

Artichokes

Large Green Globe—This is a very delicious vegetable. Some prefer it cooked like asparagus—that is, take the flower head before it begins to open and cook much the same as asparagus. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.40; 1 lb. \$5.00.**Artichoke Roots (Jerusalem)**—Price, see page 5.

Brussels Sprouts

(German—Rosenkohl)
(French—Choux de
Bruuxelle)

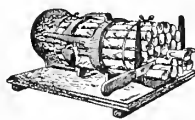
A variety of the Cabbage family, possessing the peculiarity of bearing upon its stem or stalk from fifty to one hundred buds resembling miniature Cabbage heads. The leaves composing these heads resemble Savoy Cabbage in their crumpled texture and also in their color. The heads or buds, one to two inches in diameter, form one of the most delicious garden vegetables, only equalled by the Cauliflower. Treat same as Cabbage.

Improved Dwarf—Produces compact sprouts of finest quality; a good keeper. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

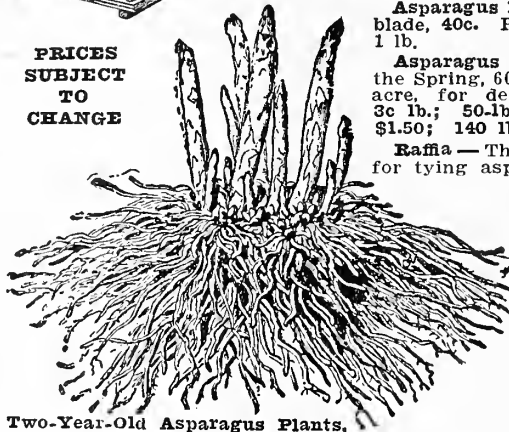
For Plants, see page 5.

Improved
Dwarf
Brussels
Sprouts.

Accessories for Asparagus Culture

**Asparagus Buncher**—Even where one has a limited amount of asparagus to market it pays to use a buncher. It is quickly tied and looks uniform. With Knife Guard, \$4.50. Parcel post weight, 8 lbs.**Asparagus Knife**—V-shaped blade, 40c. Parcel post wt., 1 lb.**Asparagus Salt**—Applied in the Spring, 600 to 800 lbs. per acre, for destroying weeds. 3c lb.; 50-lb. \$1.00; 100 lb. \$1.50; 140 lb. bag \$2.00.**Raffia**—The ideal material for tying asparagus, 30c per lb. in hanks. Hank runs about 2½ lbs. 25 lbs. or more at 25c per lb. Green Raffia 85c lb.**Jute Twine**—Very soft and pliable. 25c per ball. Postpaid 30c.

Special price on quantities on application.

Red Tape for tying asparagus, 1000 yds., \$2.75. Postpaid \$2.85.PRICES
SUBJECT
TO
CHANGETwo-Year-Old Asparagus Plants,
see page 5.

Broccoli

(German—Spargelkohl)
(French—Buocoli)

A plant much resembling the Cauliflower. Broccoli requires a longer season to develop than Cauliflower. It has more numerous and stiffer leaves; heads are smaller. Treat same as Cabbage.

One ounce of seed to 200 feet of row.

Early Large White—Heads medium size, close and compact. One of the most certain to head. Pkt. 10c; oz. \$1.00.**Early Purple Cape**—Rather hardier sort, with greenish-purple heads, good flavor. Pkt. 10c; oz. \$1.00.

Italian Sprouting Broccoli

CULTURE—Sow about middle of August in rows 32 in. apart well fertilized, using 2 lbs. of seed to the acre, covering the seed $\frac{1}{2}$ in., cultivate twice before freezing weather. In cold weather tops will die down. As soon as it begins to get a little warm in February, put on a top dressing of Nitrate of Soda or some quick acting fertilizer. Cultivate after top dressing is put on. About the middle of March it will commence to stalk up with several shoots per stalk, with green blossoms. When stalks are about 8 inches high cutting may commence. Tie in bunches like asparagus, with one to one and a half lbs. in a bunch. Ship in crates, 2 doz. bunches per crate. Cutting will commence around the middle of March and continue until around the 10th of April. If weather is warm may cut 2 to 3 times each week. After cutting is over the same land may be used for any desired crop. Leaves may be cut and shipped to northern markets, commanding a fair price.

Served like Asparagus or Greens, it makes a delicious

and wholesome dish.

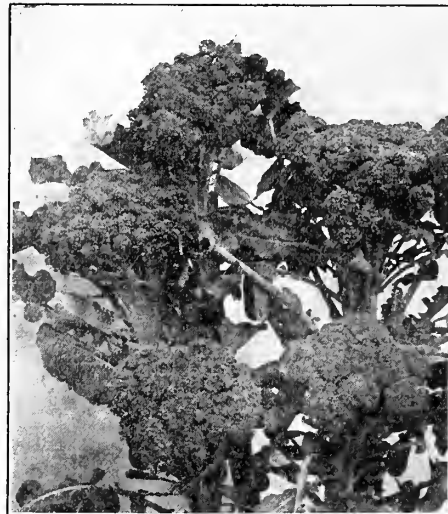
Price: 1 lb. \$5.00; $\frac{1}{4}$

lb. \$1.50; oz. 50c;

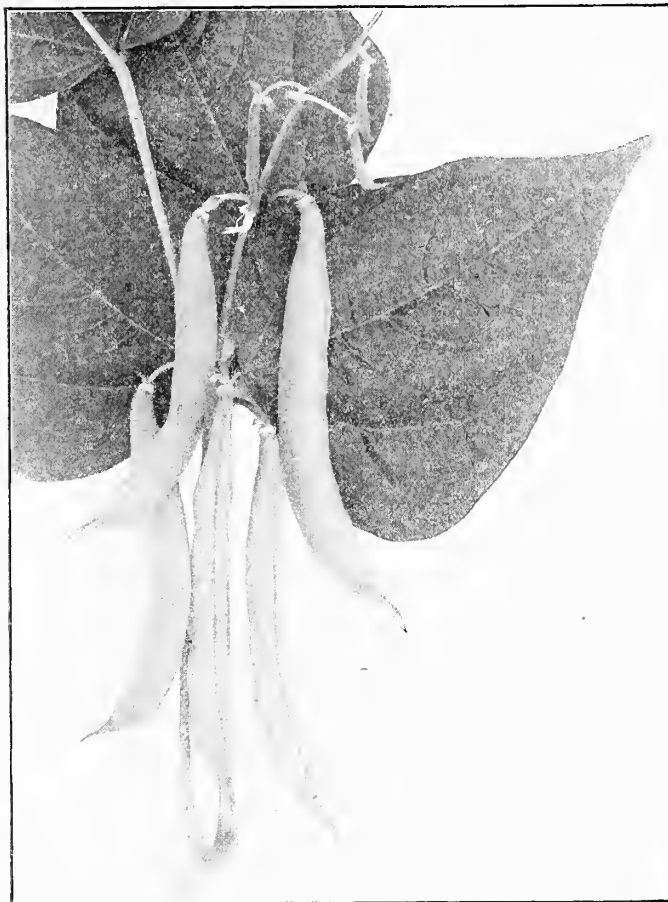
 $\frac{1}{2}$ oz. 25c; pkt. 10c.

Italian Broccoli Calabrese

This variety is the broccoli which is served in the first class hotels of Metropolitan cities. It is cooked and served like cauliflower; it has a delicious flavor and is highly praised by epicures.

CULTURE—Sow seed in open ground 1st of April. Set plants out May 15th to June like late cabbage. Pkt. 25c; $\frac{1}{2}$ oz. 75c; 1 oz. \$1.25; 1 lb. \$15.00.

Italian Broccoli-Calabrese.



Davis Kidney Wax Beans.

BEANS—Bush Beans (Green Pod)

If beans are to be sent by parcel post, add 5c to $\frac{1}{2}$ pt.; 8c to pt.; 9c to qt.; 15c to $\frac{1}{2}$ pk.; 22c to pk.; 75c to bus.; pkt. sent postpaid.

CULTURE—The seed should not be planted before the ground becomes light and warm, in favorable seasons, usually about the middle of April to first of May. The soil should be rich and mellow, and the seeds scattered about three inches apart in drills two feet apart, and covered about two inches deep. Successive sowings made at intervals of about two weeks until August 15th, will give a plentiful supply of Beans all season. One quart of seed will sow 100 feet of drill; two bushels will sow an acre. We furnish 10c packages of all Beans.

Burpee's Stringless Green Pod—An ideal variety having round slightly curved, fleshy and exceedingly tender pods. Matures a few days earlier than the Giant sort. Pkt. 10c; $\frac{1}{2}$ pt. 25c; 1 qt. 40c; 1 qt. 75c; $\frac{1}{2}$ pk. \$2.75; peck \$5.00; bus. \$18.00.

M.-S. Giant Stringless Green Pod Beans—Of finest quality, large handsome pods, some of which measure fully 6 inches in length. Very productive, very fleshy and entirely stringless. Specially adapted to the home garden. Pkt. 10c; $\frac{1}{2}$ pt. 25c; 1 qt. 40c; 1 qt. 75c; $\frac{1}{2}$ pk. \$3.00; peck \$5.50; bus. \$20.00.

Bountiful—Easily the earliest and most productive flat, green-podded, stringless bush bean in cultivation today. Under favorable conditions of soil and season this variety has been known to bear one bushel of pods per 15-foot row, in the course of the season. The pods average 6 inches long by $\frac{3}{4}$ inches wide, are thick through, of pleasing light green color, very brittle and absolutely stringless at all stages of development. Bountiful tastes as good as it looks. Pkt. 10c; $\frac{1}{2}$ pt. 25c; 1 qt. 40c; 1 qt. 75c; $\frac{1}{2}$ pk. \$3.00; peck \$6.00; bus. \$22.50.

Early Red Valentine—One of the most popular early snap beans with round, fleshy pods about five inches in length; very brittle, tender and of fine quality. Pkt. 10c; $\frac{1}{2}$ pt. 25c; 1 qt. 40c; 1 qt. 75c; $\frac{1}{2}$ pk. \$2.75; peck \$5.00.

Black Valentine, or May Queen—Has very long handsome round pods, and being immensely productive places this variety as one of the most profitable for the market gardener. It is very early. Pkt. 10c; $\frac{1}{2}$ pt. 20c; 1 qt. 35c; 1 qt. 60c; $\frac{1}{2}$ pk. \$2.00; peck \$4.00; bus. \$15.00.

PRICES SUBJECT TO CHANGE.

Full Measure—A recent introduction. Heavy light green foliage. Very prolific. Pods $5\frac{1}{2}$ to 6 inches long, stringless, round slightly curved, very good quality. Pkt. 10c; $\frac{1}{2}$ pt. 30c; 1 pt. 45c; 1 qt. 85c; $\frac{1}{2}$ pk. \$3.25; peck \$6.00. Very scarce.

Dwarf Horticultural, or Cherry—This is a broad, long flat meaty bean, very productive, of delicious flavor; absolutely stringless. It also makes a good dried bean for winter. $\frac{1}{2}$ pt. 25c; pt. 40c; qt. 75c; $\frac{1}{2}$ peck \$3.00; peck \$6.00.

White Navy, or Boston Pea Beans—Yields large quantities of white shell beans, which are used for baking. Pkt. 10c; $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 40c; $\frac{1}{2}$ peck \$1.25; peck \$2.50; bus. \$9.00.

White Marrowfat—Planted almost exclusively for winter use, making large white, kidney shaped beans. Pkt. 10c; $\frac{1}{2}$ pt. 25c; pt. 40c; qt. 75c; $\frac{1}{2}$ peck \$2.75; peck \$5.00.

Masterpiece—This is a large, flat-podded variety, especially adapted for growing under glass, though it may be grown successfully outdoors. Pkt. 10c; $\frac{1}{2}$ pt. 30c; pt. 50c; 1 qt. \$1.00.

Wax Pod Varieties

M.-S. SURE CROP STRINGLESS WAX—This is a grand bean of recent introduction. Absolutely stringless and a great rust resister. Will produce an abundance of long yellow flat pods. Pkt. 10c; $\frac{1}{2}$ pt. 25c; pt. 40c; qt. 75c; $\frac{1}{2}$ peck \$3.00; peck \$6.00.

Currie's Rust-Proof Black Wax—Valuable for general use, being early, hardy, and a heavy yielder. Extra long flat pods of fine color and not apt to rust. Pkt. 10c; $\frac{1}{2}$ pt. 25c; pt. 40c; qt. 75c; $\frac{1}{2}$ peck \$3.00; peck \$6.00.

Davis Kidney Wax—Beans handsome flat yellow pods. White seed. Price same as above.

Improved Golden Wax—Small plants of erect growth, bearing flat thick pods about 5 inches in length, and of excellent quality. An early and reliable variety, recommended for home use. Price same as above.

Round Pod Kidney Wax—As its name implies, this is a round podded bean, which is very brittle and juicy. Pkt. 10c; $\frac{1}{2}$ pt. 30c; 1 pt. 45c; 1 qt. 85c; $\frac{1}{2}$ peck \$3.25; 1 peck \$6.25.



M.-S. Giant Stringless Green Pod.

Pole String Beans (GREEN AND WAX POD)

CULTURE—Same as Pole Lima.

M.-S. Golden Cluster Wax—Deep yellow flat pods, often 8 inches long. Heavy yielder, bearing in large clusters. Pkt. 10c; $\frac{1}{2}$ pt. 20c; pt. 35c; qt. 60c; $\frac{1}{2}$ peck \$2.00; 1 peck \$3.75.

Horticultural or Pole Cherry—Pods green, dashed with red when beans are matured. Very showy. Price same as above.

Yard Long, or Snake Beans—This is an ornamental as well as useful pole bean. Produces an abundance of dark green foliage and stringless green pods, often measuring from two to three feet long, which when cooked make a delicious dish. Seeds very small. Pkt. 10c; oz. 25c.

POLE BEANS CONTINUED ON NEXT PAGE

If beans are to be sent by parcel post, add 5c to $\frac{1}{2}$ pt.; 8c to pt.; 9c to qt.; 15c to $\frac{1}{2}$ pk.; 22c to pk.; 75c to bus.; pkt. sent postpaid.



Kentucky Wonder, or
Old Homestead.

Kentucky Wonder, or Old Homestead—The most popular of the pole varieties, and it should be in every garden where beans are planted. It grows luxuriantly and bears for a long period. Pods are very long, very fleshy and deeply creased or saddle-backed, green in color and stringless. Seed light brown. Pkt. 10c; ½ pt. 20c; 1 pt. 35c; qt. 60c; ½ peck \$2.00; peck \$3.75.

Lazy Wife, or White Cherry—Pods 6 to 8 ins. long, entirely stringless, of a rich, buttery flavor when cooked as a snap bean; also a good, white shell-bean for winter. One of the very finest flavored. Price same as above.

M.-S. Kentucky Wonder Wax—Same as the above Kentucky Wonder with exception of beautiful yellow pods. Price same as above.

English, or Broad Windsor Beans

CULTURE—Same as Bush Limas, only plant thinner. A bean similar to Lima Beans, but a different flavor and larger. Should be planted early, March or April, as they are very hardy. Pkt. 10c; ½ pt. 20c; 1 pt. 35c; 1 qt. 50c; 1 peck \$3.00. We furnish 10c packages of all Beans.

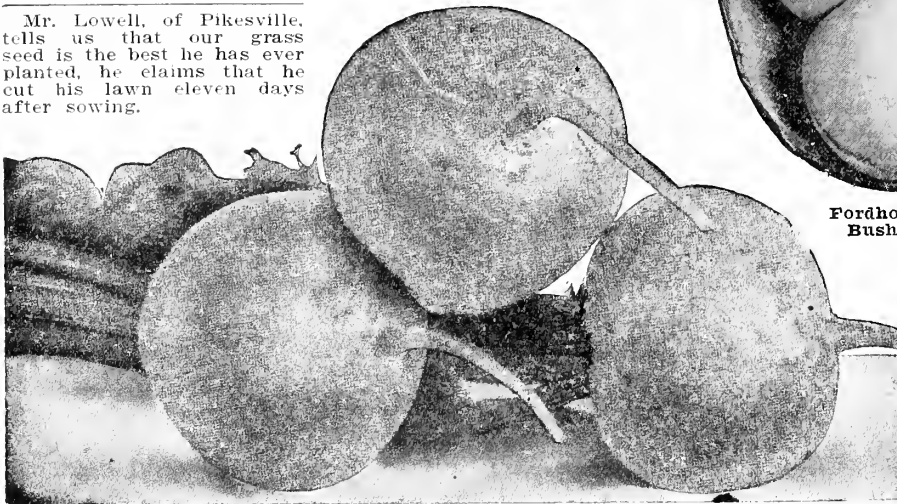


Wizard Brand Sheep Manure—Apply 1,000 lbs. per acre. For garden, lawn or greenhouse use. This is where you get a whole cart load of manure in a 100-lb. bag at a much lower figure. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.00; 500 lbs. \$13.50; 1,000 lbs. \$25.00; per ton, \$47.50.

Wizard Brand Cow or Cattle Manure (Shredded)—Convenient to handle, making it possible for everyone to get this usually scarce article at all times. This is where you get a wagon load of manure in a 100-lb. bag. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.50; 500 lbs. \$16.25; 1,000 lbs. \$30.00; per ton, \$55.00.

If sheep or cow manure is to be sent by parcel post, include postage as to zones, for rates see introductory page, in front of catalogue.

Mr. Lowell, of Pikesville, tells us that our grass seed is the best he has ever planted, he claims that he cut his lawn eleven days after sowing.



M.-S. Strain Detroit Dark Red Beet.

Like the Detroit Dark Red, but runs more uniform in shape and color, positively the best beet for the truck farmer, as they always bring top-notch prices on the wholesale market, or at the packers. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.25; larger quantities at \$1.00 per lb.

Pkts., ozs., ¼ lb. and lbs. are sent postpaid.

Bush Lima Beans 1 qt. to 100 feet of drill.

CULTURE—Plant in rows two feet apart, and about one foot apart in the rows.

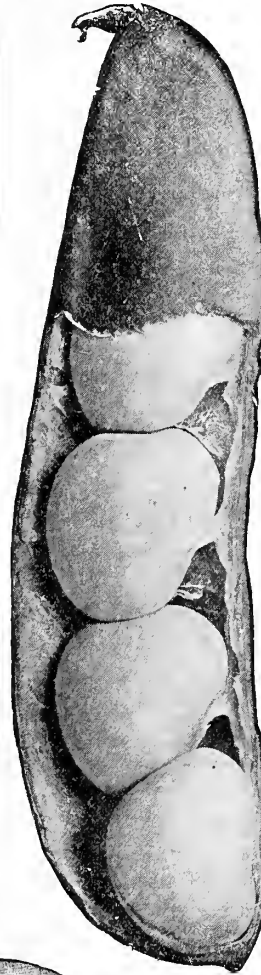
M.-S. Enormous Bush Lima Beans—As the name implies, these are truly enormous, bearing in abundance, large pods which are filled with delicious large beans. Pkt. 10c; ½ pt. 25c; pt. 40c; qt. 75c; ½ peck \$2.75; peck \$5.00; bus. \$18.00.

Burpee's Bush Lima—Pods abundantly and well filled with handsome flat beans. Price same as above.

Burpees Improved Bush Lima—Bears an abundance of thick kidney-shaped beans. Price same as above.

Henderson's Dwarf Lima—Beans are small but their flavor is excellent. Pkt. 10c; ½ pt. 20c; pt. 30c; qt. 50c; ½ peck \$1.75; 1 peck \$3.25; bus. \$12.00.

Fordhook Bush Lima—Beans large, round, thick, green and of delicious flavor, bearing in clusters of from 4 to 8 averaging 4 large beans to the pod. Pkt. 10c; ½ pt. 30c; pt. 50c; qt. 90c; ¼ pk. \$1.75; ½ pk. \$3.50; pk. \$6.50; bus. \$22.50.



Fordhook
Bush.

Pole Lima Beans

CULTURE—These require pole 8 to 10 feet long. The beans should be planted in May if the season is suitable. Set poles four feet apart each way, and plant 4 to 6 beans, about 1 inch deep, around each pole. Thin out to three plants to a pole, if the soil is rich; pinch off the ends of plants when they overrun the top of the poles to effect a more perfect growth below. Lima Beans for early use may be grown in frames and transplanted. 1 quart to 100 poles.

Early Leviathan—The earliest large pole lima; very productive. Pkt. 10c; ½ pt. 20c; pt. 30c; qt. 50c; ½ peck \$1.75; peck \$3.25; bus. \$12.00.

King of the Garden—Vigorous grower, bearing large pods. 5 to 8 inches long. Beans large and of rich flavor. Price same as above.

Sieva or Small White Lima—(Butter Bean.) Early and productive, a great drought resister, smaller than regular limas, but juicy and of fine flavor. Price same as above.

Dreer's Improved, or Potato Lima—Beans round and thick, of delicious flavor, easy to shell, immense cropper. Pkt. 10c; ½ pt. 20c; pt. 30c; qt. 50c; ½ peck \$1.75; peck \$3.25; bus. \$12.00.

Large White. Used mostly as a shell bean. Price same as above.

M.-S. Giant-Podded—Burpee's Giant-Podded Pole Lima is the largest of all Pole Limas. The pods measure from 7 to 8½ inches in length with a width of 1½ to nearly 2 inches. The beans are extra large. They are invariably of superb flavor. The vines easily attain a height of from 10 to 12 feet. The pods are produced in clusters of from 4 to 8 until killed by frost. Pkt. 10c; ½ pt. 25c; 1 pt. 40c; 1 qt. 60c; ½ peck \$2.00; 1 peck \$3.75; bus. \$14.00.

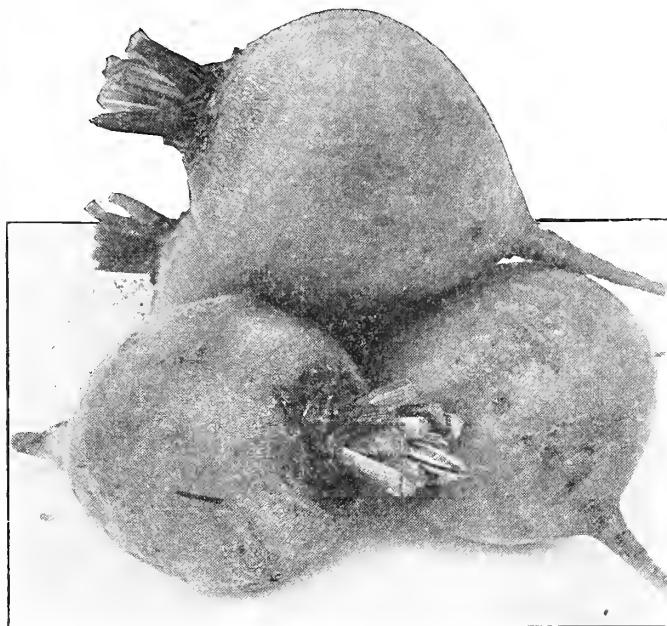
TABLE BEETS

(German—Rote Rueben.
French—Bette)

One ounce of seed sows 60 ft. of drill; 5 lbs. will sow an acre in drills.

CULTURE—The soil best suited to the culture of the beet is that which is rather light, provided it is thoroughly mixed with manure. If wanted very early sow in hotbeds and transplant; but for main crop sow in the Spring as soon as the ground becomes fit to work, in drills 18 inches apart and two inches deep. For winter use sow as late as July. When the plants have attained 3 or 4 inches in height thin out so that they stand 5 to 6 inches apart. Keep free from weeds. Before freezing weather sets in the roots may be stored in cellars or pits, same as Potatoes; dry earth thrown over them before the straw and earth covering is put on insures their keeping over winter. Be careful not to bruise them in handling.

M.-S. Strain Detroit Dark Red Beet—The best beet for the truck farmer, as they always bring top-notch prices on the wholesale market, or at the packers. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.25; larger quantities at \$1.00 per lb.

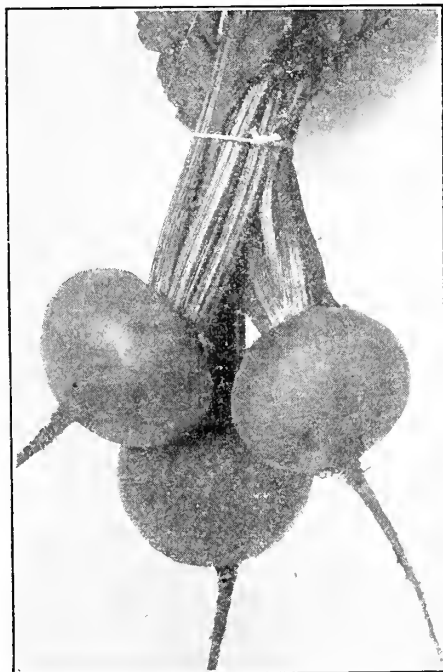


M.-S. Early Marvelous Beet.

"M.-S." EARLY MARVELOUS BEET

The Ideal Beet for the market or home garden; in shape it is nearly a perfect globe, about 10 inches around with smooth skin free from rootlets; the flesh is a rich blood red nicely ringed, never stringy, and always tender and sweet; excellent for canning. Pkg. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.10.

Extra Early Flat Egyptian—Maturing in an incredibly short time. Bulbs half globular, or flattened at the poles; roots very slim, skin smooth, leaves red and green, flesh quite dark. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.



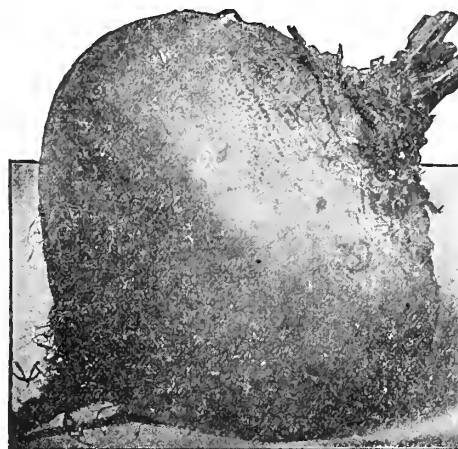
Crosby's Improved Egyptian Beet.

WE PAY POSTAGE ON PKTS., OZS., $\frac{1}{4}$ LBS. AND LBS.

Crosby's Improved Egyptian—Very desirable. Thicker in body than the Egyptian, small necked and dark fleshed. Fine for early market. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Extra Early Eclipse—Maturing in an incredibly short time, round-shape beet. Small top, and of excellent table quality. Makes an attractive seller in market. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Edmand's Blood Turnip—This beet of American origin is the most uniform of all Turnip Beets. The root is always smooth, round and handsome; tops are small; of good marketable size. Color dark red, flesh purplish, crisp, tender and sweet. An excellent keeper. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.



Extra Early Eclipse Beet.

Detroit Dark Red Beet—A blood red, early, turnip-shaped variety. Has small upright top; fine round shape. Skin and flesh dark blood red. Very tender and sweet. Remarkably uniform in growth and a particularly desirable sort for truckers and market gardeners. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Long Smooth Dark Blood—This variety has long, slender roots. The beets are seldom more than two inches through. Matures rather late, but is an excellent keeper. The flesh is dark red and quality sweet and tender. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

BEET PLANTS, see page 5.

Crimson Globe—A second early variety, does not grow large and coarse, the matured beets being medium in size and good shape. The flesh and skin are both very dark and quality fine, being sweet and tender. The tops are small and dark in color. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

SWISS CHARD, see page 23.

Cow Beets

MANGEL-WURZEL

(German—Runkelrueben)

(French—Betterave)

Used for feeding cattle.
Sow five pounds per acre.

CULTURE—Sow in April and May in thoroughly plowed, well-manured soil, in drills 2 inches deep and about 18 inches apart. Thin out to 12 ins. and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzel.

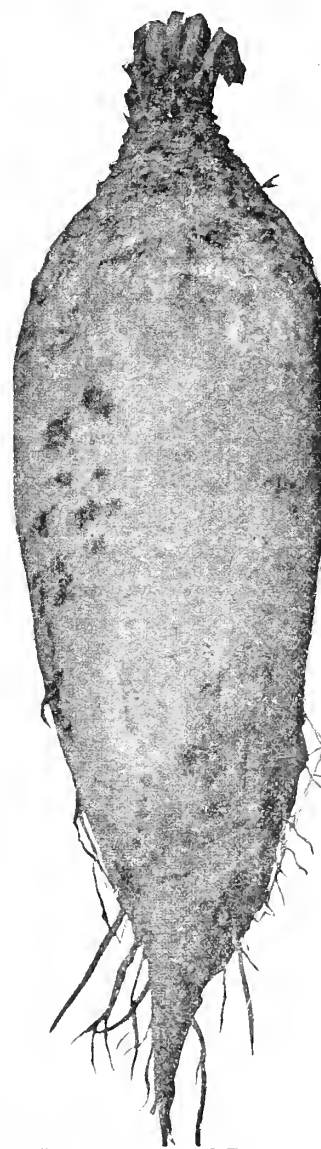
Golden Tankard—The best long yellow mangel in cultivation. Relished by milch cows and sheep. Maturing earlier than other large sorts. Oz. 10c; $\frac{1}{4}$ lb. 15c; lb. 50c; 5 lbs. \$2.00.

Improved White Sugar Beet—An improvement on the other varieties of sugar beets, hardier, and containing a greater percentage of sugar. Oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c; 5 lbs. \$2.50.

Jumbo Mangel—Immense, long, red, very fine quality. Oz. 10c; $\frac{1}{4}$ lb. 15c; lb. 50c; 5 lbs. \$2.

Gate Post Mangel—Large, yellow, excellent sort. Oz. 10c; $\frac{1}{4}$ lb. 15c; lb. 50c; 5 lbs. \$2.00.

Mammoth Long Red—This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing 20 to 40 lbs. The best long red mangel and very valuable for stock feeding. Oz. 10c; $\frac{1}{4}$ lb. 15c; lb. 50c; 5 lbs. \$2.00.



Gate Post Mangel Beet.

F. W. Koether, Alvarado Avenue, Parkville, Md., tells us that he received first prize in "Evening Sun" Contest on a vegetable garden grown from M.-S. Seeds.

We pay postage on pkts., ozs., $\frac{1}{4}$ lbs. and 1 lbs.**M.-S. CHOICE CABBAGE SEED**

(GERMAN—KOPFKOHL. FRENCH—CHOU)

One ounce will produce about 2,500 plants; one-quarter pound for transplanting an acre.

Culture—Sow seeds in January or February in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows two feet apart, and 12 to 18 inches apart in the row. For second early, sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows three feet apart and two feet in rows. Never plant in the same ground two years in succession.

Early Varieties

**Golden Acre Cabbage,
Earliest Flat.**

M.-S. Golden Acre—This is an extra early strain of Copenhagen Market maturing about ten days earlier. It will mature heads in eighty days from time of sowing, measuring nine inches in diameter, with a uniform weight of five pounds. Height of stalk is 2 ins. and entire plant consists of thirteen leaves which allows close planting. **Pkt. 10c; oz. 60c; $\frac{1}{4}$ lb. \$1.75; 1 lb. \$6.00.**

COPENHAGEN MARKET—A valuable new early cabbage from Denmark, producing a large globe-shaped solid head, which comes into market along with Charleston Wakefield. Our seed comes direct from the originator, makes few loose leaves. It is a vigorous grower and an excellent keeper. **Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.75.**

New Early—The largest of the early cabbage. Head roundish flat, remarkably solid. **Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.**

Early Flat Dutch—A dwarf-growing type, principally used for early summer. **Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.**

Early Jersey Wakefield—The finest oblong-shaped cabbage in existence. The head is solid, there being very few outside leaves. **Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.**

Extra Early Jersey Wakefield—Our strain of this excellent extra early, pointed head sort is without a doubt the earliest cabbage of the day. Heads are smaller than Early Jersey Wakefield, but are solid and extremely uniform in both green color and size. **Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.**



**Extra
Early Jersey
Wakefield.**

Large Charleston Wakefield—Similar to Early Jersey, but the heads are more blunt, equally as solid, while almost twice the size, but matures one week later. **Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.**

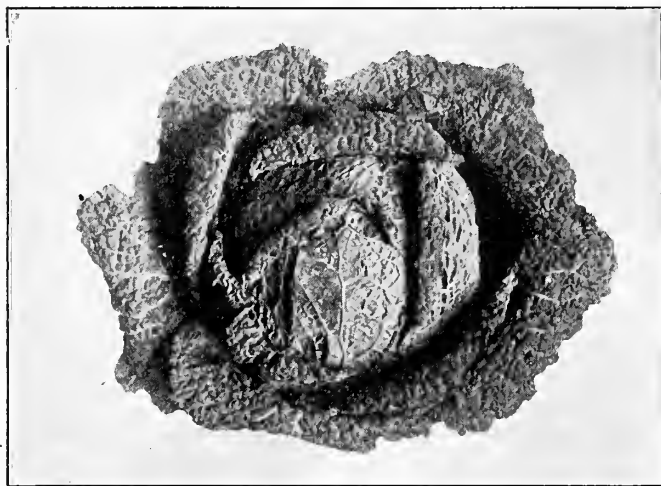
Early York—Resembles the Early Wakefield. **Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.**

Early Winnigstadt—Resembles Charleston Wakefield. **Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.**

Second Early Varieties

Early Drumhead—A large solid roundish flat-headed sort with few outer leaves. One of the best sorts to follow the Large Charleston Wakefield. **Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.**

Succession—A very popular sort with the market gardeners. **Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.**

Late, or Winter Varieties

**M.-S. PERFECTION DRUMHEAD SAVOY CABBAGE
(German—Wirsing Kohl. French—Choufrise.)**

Perfection Drumhead Savoy—A beautifully crimped-leaved sort, color a deep glossy green. The head is almost round. **Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 85c; 1 lb. \$3.00.**

Red Dutch Drumhead—A red variety, used extensively for pickling. **Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$3.00.**

All Seasons (Vandergaw)—A very large head, round and solid. It is valuable for Summer or Winter use. **Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.**

Danish Ballhead—An elegant medium late variety. **Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 85c; 1 lb. \$3.00.**

Late Flat Dutch—Improved Strain. This has been selected especially for our trade, and seed was taken from the finest type of heads which were selected for solidity and uniformity. **Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.**

Chinese Celery Cabbage

Pe Tsai—Improved Chinese Cabbage. The market appearance of this cabbage in quantity the past few years has created a widespread demand for the seed.

It is very easily grown and does well in nearly all parts of the country. It should be grown like a late cabbage, planting in July (turnip planting time), as early plantings run quickly to seed. The seed is sown in drills 16 to 20 inches apart and the seedlings thinned two or three times. The full-grown plant somewhat resembles a Cos Lettuce in appearance. It has a mild flavor and may be eaten raw or as a salad, or cooked. Boiled, minced and seasoned with butter, it is especially delectable. **Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.75.**

J. W. Marvel, of Stevensville, Md., says that our Ex. Ea. Jersey Wakefield Cabbage produces the finest truest heads he has ever seen.

**Cardoon**

Grown for its stalks which make a delicious vegetable. **Pkt. 10c; oz. 50c.**

Carrot

(German—Moehre
oder Gelbe Reube.
French—Carotte)

One ounce to 100
feet of row. 2 or
3 lbs. to acre.

Culture—A light,
loamy soil that
has been well
manured the pre-
vious year is pre-
ferred for growing
carrots, although
good crops may
be obtained from
ordinary garden
soil. For early
use seed may be
sown in hotbeds
from January un-
til March, and in
the open ground
as soon as the
weather becomes
warm and settled,
usually in April.
Sow seed one-half
inch deep in rows
15 inches apart,
and later thin to
five inches in the
row. Keep soil
between the rows
well hoed and free
from weeds. From
July 1st to 15th
sow for Winter
crops.

**M.-S. SOUTH-
ERN PRIDE**—An
ideal medium early
stump-rooted Car-
rot; smooth and
uniform in shape,

Danvers Half-Long.

M.-S. Southern Pride
Carrot.

averaging five inches in length, with thick,
heavy shoulders, rather large tops and deep
orange color, almost coreless and of fine fla-
vor. Positively the best carrot for home
garden or market. Advisable for truckers.

Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Parisian Forcing—Extremely early, of small size, but very
sweet, tender and beautiful orange-red color. Same price as above.

Chautenay—Top medium sized, neck small, roots tapering
slightly but uniformly stump-rooted and smooth; color deep
orange-red; flesh very crisp and tender. Price same as above.

Pride of Market Carrot—Similar to the above. Same price.

Danvers, or Half-Long Orange—Owing to its enormous yield,
this variety is the best and most profitable for main crop, also
desirable for feeding cattle. It is somewhat longer than Chante-
nay. **Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.**

M.-S. Strain Danvers Carrot—Like the above, but runs more
uniform in shape and darker in color. Advisable for truckers.
Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Oxheart or Guerande—A short thick carrot not exceeding four
inches in length and about the same in width which does quite
well on hard, heavy soils where the longer varieties are useless.
Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Georgia Collards

Sprouts and Kale; will be found very delicious if you have
never tried it; give it a place in your garden this coming sea-
son. **Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 75c.**



Corn Salad

Corn Salad

(German—Acker Lattig.
French—Mache)

Culture—Sow in
Spring, in drills
one foot apart; it
will mature in six
to eight weeks.
For Winter and
early Spring use,
sow in drills in
August and Sep-
tember. Three
ounces of seed to
100 feet of drill.
Will do well if
sown in spring.

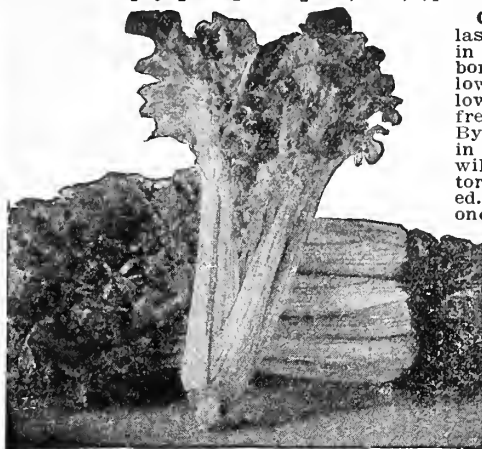
Large Leaved—
**Pkt. 10c; oz. 15c;
¼ lb. 35c; lb. \$1.25.**

Mr. E. J. T. Carvel, of Stevensville, Md., writes and says that
our seeds are better than he has had from anybody. He also says
that he is well pleased with the way we have been handling his
orders.

Celery

(German—Sellerie. French—Celeri)

One ounce will produce about 2,000 plants.
We pay postage on pkts., ozs., ¼ lbs. and 1 lbs.



M.-S. Magnificent.

Culture—Sow the
last of March or early
in April, in an open
border, in rich, mel-
low ground, in shal-
low drills, watering
freely in dry weather.
By rolling or pressing
in the seed the result
will be more satisfac-
tory than when cover-
ed. Cut the tops off
once or twice before
planting out, to
make them
stocky. When the
plants are five or
six inches high
transplant the
dwarf varieties 3
feet, and the
taller sorts 4
feet between the
rows; plant 6
inches apart in
the rows. Cultivate
well, and
when large
enough, blanch
by earthing up.

The first operation is that of "handling," generally done the be-
ginning of September; after the soil has been drawn up with the
hoe it is drawn closer around each plant by the hand to keep the
leaves firm, in an upright position, and to prevent spreading.
When the plants have become set in an upright position the
Celery wanted for early use should be banked, by throwing the
soil up as close to the plants as possible with a plow and finish-
ing it with a spade, bringing the earth up nearly to the tops
of the plants.

M.-S. MAGNIFICENT—It is well named for its many good
qualities; it is a semi-late sort, coming into use about January.
The stalks which blanch almost white are exceedingly brittle,
so that it has a tendency to melt in the mouth; it is a truly good
sort and should be planted extensively. **Pkt. 10c; oz. 25c; ¼
lb. 75c; lb. \$2.50.**

M.-S. MONARCH—This variety is a decided acquisition in
green Celery, producing large stalks, and magnificent bright
golden yellow heart. The stalks are very solid, brittle and of
most delicious flavor, and entirely free from stringiness. It is a
remarkably good keeper and presents a handsome appearance
when ready for the table. **Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.**

M.-S. Golden Plume—Resembles Golden Self Blanching,
but is larger and ranker in growth, more plainly ribbed,
blanches quicker, matures earlier, does not blight and is just
as crisp and has the same flavor. **Pkt. 25c; ½ oz. 60c; 1 oz.
\$1.00; ¼ lb. \$3.00; 1 lb. \$12.00.**

Easy Blanching—For early use; preferred by many to all
other sorts; as self-blanching as White Plume, and simply
needs a slight earthing-up. **Pkt. 10c and 25c; oz. 40c; ¼ lb.
\$1.25; lb. \$3.75.**

French Golden Self-Blanching—(Pure Stock). **Pkt. 10c and
25c; oz. 75c; ¼ lb. \$2.75; lb. \$10.00.**

White Plume—Unsurpassed for Fall and early Winter use,
requiring very little earthing-up to blanch it. **Pkt. 10c; oz. 25c;
¼ lb. 75c; lb. \$2.50.**

Giant Pascal—The stalks are
very large, thick, solid, crisp and
of a rich nutty flavor, good keeper.
**Pkt. 10c; oz. 25c; ¼ lb. 60c; lb.
\$2.00.**

Golden Heart—Largely used, al-
ways giving satisfaction; a showy
sort; solid, of fine flavor and a good
keeper. **Pkt. 10c; oz. 25c; ¼ lb.
60c; lb. \$2.00.**

Boston Market—A short, bushy
variety, constantly increasing in de-
mand. **Pkt. 10c; oz. 25c; ¼ lb.
60c; lb. \$2.00.**

Winter Queen—This variety
grows a very thick, solid and heavy
stalk, and has a large heart. It is
a close, compact grower, and when
blanched is a creamy-white color.
Priced same as above.

Pink Plume—The stalks when
blanched are a beautiful rose-pink.
Pkt. 10c; per ½ oz. 20c; oz. 35c.

CELERY PLANTS, SEE PAGE 5.

Giant Prague Celериac—This is
unquestionably the largest and best
Celериac in existence, very large,
almost globe-shaped, smooth, with
only a few roots at the bottom.
Flavor is excellent. **Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.**



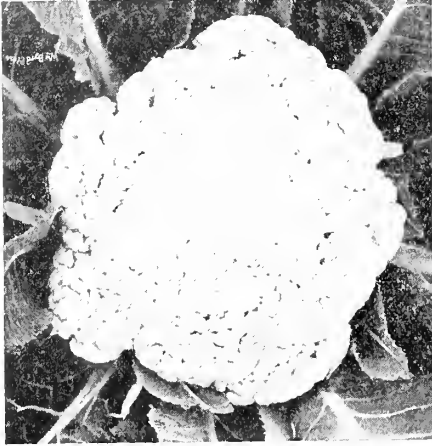
Giant Prague Celериac.

Pkts., ozs., ¼ lbs. and 1 lb. postpaid.

Cauliflower

(German—
Blumenkohl.
French—
Chou-Fleur)One ounce of seed
for 1,500 plants.

Culture—When grown to perfection this is a most delicious vegetable, and well repays generous treatment in cultivation. With a deep rich soil, and an abundance of moisture, which in dry seasons must be applied artificially, Cauliflower can be grown well. The cultivation is similar to that of Cabbage. For early Fall crops, sow in May and transplant in June, in rows of four feet



M.S. Early Snowball Cauliflower.

apart, setting the plants two feet apart in the row; water frequently if the ground is dry. Frequent hoeing and a liberal supply of rich, liquid manure, to keep up a continuous and rapid growth, will produce splendid heads of the most delicate flavor. It facilitates blanching if the leaves are gathered loosely together and tied over the top of the head to protect it from the sun. Cut before the flowers begin to open. Sow as late as June 20 for late crops, in beds or in hills, covering one-half inch deep.

M.S. EARLY SNOWBALL—An extremely early dwarf variety, producing magnificent white heads of fine quality. Well adapted to hotbed culture and outdoor. Pkt. 10c, 25c and 50c; oz. \$1.50; ¼ lb. \$5.00.

Dry Weather or Danish Giant—The great drought-resisting variety; the heads are large, snow white and are protected with a liberal growth of foliage. This is the ideal variety to plant for summer use if you want to be sure of cauliflower at that season. Pkt. 10c, 25c, 50c; \$1.50 per oz.; ¼ lb. \$5.00.

Select Early Dwarf Erfurt—Of highest excellence, and for field culture not much surpassed by any type of newer name. Some so-called new varieties appear to be identical with Select Erfurt. Pkt. 10c, 25c and 50c; oz. \$1.50; ¼ lb. \$5.00.

Veitch's Autumn Giant—A distinct and valuable late variety; heads large and fine, well protected by foliage. Pkt. 10c; oz. 75c.

CAULIFLOWER PLANTS, PAGE 5.

SWEET, or SUGAR CORN

(German—Zuckermals. French—Mais)

One quart will plant 200 hills; eight quarts in hills to acre.

Sugar Corn varies in weight according to variety. We have decided to list 44 lbs. as a bushel, except Adams and Red Cob or 90 Day, which weighs 56 lbs. to bushel.

Culture—The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm; for a succession, continue planting every two weeks, until the middle of July, in rich, well-manured ground, in hills three feet apart each way, covering about half an inch, and thin out to three plants to a hill. Extra early varieties can be planted 18 inches in the row and 2½ feet between the rows. The field varieties should be planted four feet apart each way, leaving three plants to a hill.

Extra Early Adams—Height of stalk three to four feet, ears set within six inches of ground. Not a sugar corn, but a decided acquisition so early in the season. Pkt. 10c; ½ pt. 15c; pt. 25c; qt. 40c; ½ peck 75c; peck \$1.25; bus. \$4.50.

Early Adams—Similar to Extra Early Adams; larger, but not so early. Price same as above.

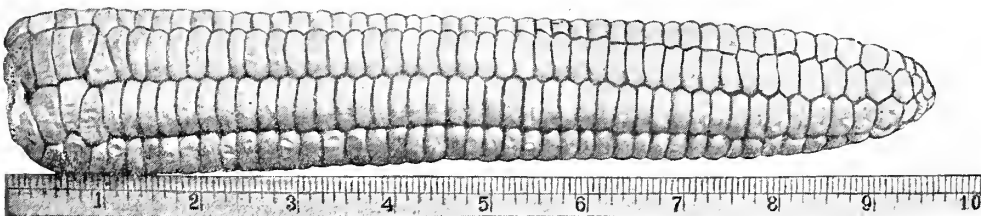
Trucker's Favorite—For a second early to follow Early Adams this is unquestionably one of the best; or for planting late to mature quickly it is equally valuable. It is a white corn, with good depth of grain, tender and sweet, and a most desirable size for roasting ears. Besides being a fine garden corn, it is a splendid field corn to follow potatoes and other early crops. The ears are large and well filled. A big advantage in growing Trucker's Favorite is that should you not use it all for roasting ears it will make large ears for making meal or feeding. It makes the largest ear of any early garden corn, averaging over 8 inches long. A fine combination of earliness and size; hardy and can be planted early. Price same as above.

Bardens Wonder Bantam—A yellow sugar corn with all that the name implies, making ears up to 9½ inches long; deliciously sweet and of unsurpassed flavor. Matures only about a week later than Golden Bantam. A strong grower and very productive. Pkt. 10c; ½ pt. 20c; pt. 30c; qt. 50c; ½ peck \$1.25; peck \$2.00; bus. \$7.50. See illustration, below.

Sunshine—A really choice extra-early yellow Sweet Corn, growing 4½ to 5½ feet tall, with many stalks carrying two ears. The ears are 7 inches long and 1½ inches thick at the butt end. The yellow broad kernels are exceedingly sweet. Price as above.

Whipple's Early White—This is an extra early variety with the deep grain of the Evergreen type. It matures in 65 days. The stalks are 5 to 6 feet high of vigorous growth; the ears are produced 1½ feet from the ground, often two to the stalk and are 8 inches long, rather "blocky" in form, 16 to 18-rowed, filled to the end with rather narrow, deep wedge-shape grains of pearly whiteness and high sugar content. Price same as above.

Reproduction is one-half natural size of ear.



EARLY SHEPHERD—The best early Sugar Corn for truckers, making fine large ears. Pkt. 10c; ½ pt. 15c; pt. 25c; qt. 40c; ½ peck \$1.25; peck \$2.00; bus. \$7.50.

Black Mexican—An old favorite, being very tender and sweet. Price same as above.

Country Gentleman or Shoe Peg—A short-stalked, productive sort. Ears large for so small a stalk; grain narrow and very deep; excellent quality. Price same as above.

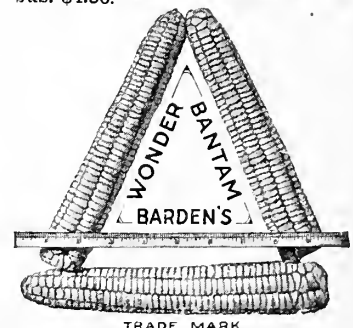
Golden Bantam—Extremely early. A true sugar corn. The grain when ripe is a bright golden-yellow, the flavor is exceptionally rich and sugary. Produces from two to three good ears to the stalk. Pkt. 10c; ½ pt. 15c; pt. 25c; qt. 40c; ½ pk. \$1.25; pk. \$2.00; bus. \$7.00.

Howling Mob—Another new early Sugar Corn, with fine, large ears, excellent for truckers or the home gardener. Price same as above.

M.S. SNOW WHITE EVERGREEN SUGAR CORN—It produces large uniform ears, which are well filled to the top with beautiful white kernels; it is 10 to 12 days earlier than Stowell's Evergreen. Splendid sort for market and home garden; keeps well after being cut. Pkt. 10c; ½ pt. 15c; pt. 25c; qt. 40c; ½ peck \$1.00; peck \$1.75; bus. \$6.50.

Stowell's Evergreen—A favorite late corn for home use, market and canning. Aside from the size of the ears, which are large and well filled, its strong point is that it remains in the green state for such a long season. Grains are deep and sugary. Price same as above.

Red Cob, or 90-Day Corn—A distinct and well-known sort of white corn; matures in about 90 days; produces large, handsome ears. It has all the advantages of Trucker's Favorite, but makes larger and much heavier ears. Can be planted with safety until middle of July. 1 pt. 20c; qt. 35c; ½ peck 75c; pk. \$1.25; bus. \$4.50.



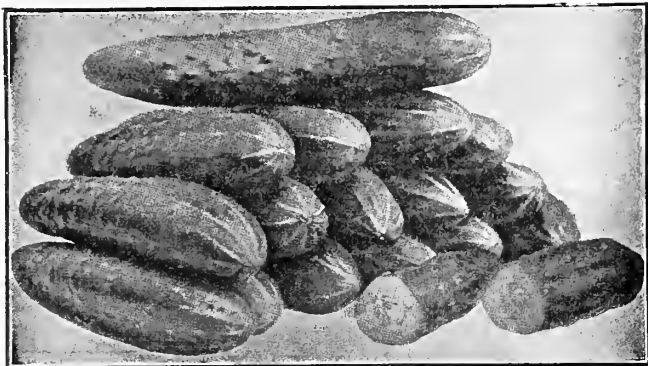
TRADE MARK

Cucumber

(German—Gurke. French—Concombre)

One ounce will plant fifty hills; two pounds, one acre.

Culture—For very early Cucumbers, sow the first of April in a hotbed, upon pieces of sod or in small pots, so that they can be readily transplanted to the open ground (in rich soil) when danger of frost is over. For general crop plant, if the weather has become settled and warm, in hills about four feet apart each way; thin out to four of the strongest plants to each hill. They succeed best in a warm, moist, rich, loamy soil. For succession sow until the middle of August.



Early Fortune Cucumbers.

Early Fortune—A great favorite with our Anne Arundel County farmers for its early maturity, productiveness, uniformity in large size, dark green color. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25.

Clark's Special—An excellent shipping variety of uniform size and dark green color. Price same as above.

New Klondike—One of the best for shippers. Grows vigorous vines, fruits early and abundantly. Dark green in color, large size, and of fine flavor. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25.

Improved Early White Spine—Old standard favorite. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25.



New Klondike.

Arlington White Spine—Another standard sort. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25.

Improved Long Green—Long and crisp; a popular and reliable variety for pickles. Pkt. 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

Japanese Climbing—Distinct from other varieties, being a real climber. Very prolific of fruit. A valuable, interesting novelty. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

Jersey Pickle—Productive and said to "green" better than any other variety, to "hold color." Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25.

Early Green Cluster—A short, prickly variety, bearing clusters, prolific. Fine for bottle pickles. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25.

Small Gherkin, or Burr—Used only for pickling while young and tender. Pkt. 10c; oz. 25c.

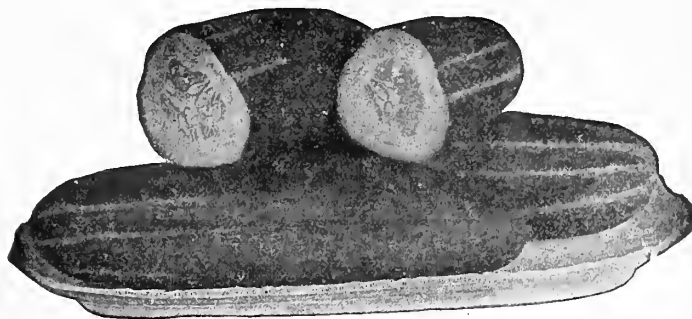
Lemon Cucumber—A very productive variety with round or slightly oval fruits of light creamy yellow color; of distinctive flavor and desirable quality.

Early Green Cluster.

either for slicing or pickling. The fruits are ready for slicing when just starting to turn yellow. For pickling they may be used either green or ripe. Pkt. 10c.

English Forcing Telegraph Cucumber—These are ideal for growing outdoors as well as under glass. They produce enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them. Pkt. of 12 seeds, 25c; 100 seeds, \$1.25.

Boston Pickle—A short fairly smooth, symmetrical cucumber and one of the most popular in use. It is extremely early and productive. Size 6 x 2½ ins. Edible in 58 days. Weight 1½ lbs. Pkg. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25.



M.S. Cool and Crisp.

M.S. COOL AND CRISP—Ideal for home and market gardening. Extra early and very prolific, long straight, slender and very dark green; good either for pickling or slicing. Pkt. 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

Cress : Chervil

(German—Kresse) (German—Kerbel)

Water Cress—Sow early in spring near pond or running water; when established will last for years. Pkt. 10c; oz. 50c.

Land Cress or Pepper Grass—Sow in early spring in rows two feet apart, and repeat often as it runs to seed very quickly. Pkt. 10c; oz. 15c; ¼ lb. 30c.

Chervil—Sow like the above, used as a salad seasoner. Pkt. 10c; oz. 25c.

Dandelion

(French—Pissenlit. German—Loewenzahn.)
One ounce to 100 feet of row.

Culture—Plants usually come up small and feebly. Sow seed in good clean loam, in drills 1 foot apart, and thin or transplant to 10 or 12 inches apart in the rows. May be blanched by covering with leaves or other loose litter, or by placing a large inverted flower pot over each plant.

Improved Thick-Leaved—An improved variety. Pkt. 20c; oz. \$1.00; ¼ lb. \$3.00.

Common—Yields an abundant supply of large succulent leaves. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Eggplant

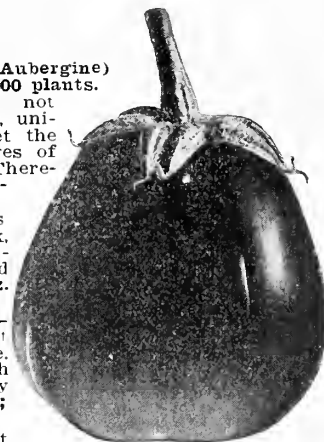
(German—Eierpflanze. French—Aubergine)
One ounce will produce about 1,000 plants.

Culture—Eggplant seed will not vegetate freely without a strong, uniform heat, and if the plants get the least chilled in the earlier stages of growth they seldom recover. Therefore repeated sowings are sometimes necessary.

M.S. Ebony King—As its name implies it is almost black, large size, perfect shape, thornless, great drought resister and splendid bearer. Pkt. 10c; ½ oz. 25c; 1 oz. 50c; ¼ lb. \$1.75.

New York Improved Purple—The leading market variety; of large size, skin deep purple, smooth, free of thorns; flesh white, of excellent quality; very productive. Pkt. 10c; oz. 40c; ¼ lb. \$1.25; 1 lb. \$5.00.

Black Beauty—The earliest large variety; color, rich, dark purple. Pkt. 10c; oz. 40c; ¼ lb. \$1.25; 1 lb. \$5.00.



M.S. Ebony King.

EGGPLANT PLANTS, SEE PAGE 5.

Whitloof Chicory, or French Endive

(German—Succory. French—Chicoree.)

Whitloof Chicory, or French Endive—Known in restaurants as French Endive. We want to get our customers interested in this delicious vegetable, and feel confident that after it has once been tried it will become quite as popular as Swiss Chard, which was only planted very sparingly a few years ago. Every garden should have a row of Whitloof Chicory and we feel sure that every amateur or experienced gardener will be pleased with the results. Whitloof is eaten raw or as a salad, and is also sometimes cooked like ordinary Endive. Pkt. 10c; oz. 25c; ¼ lb. 50c; 1 lb. \$1.50.

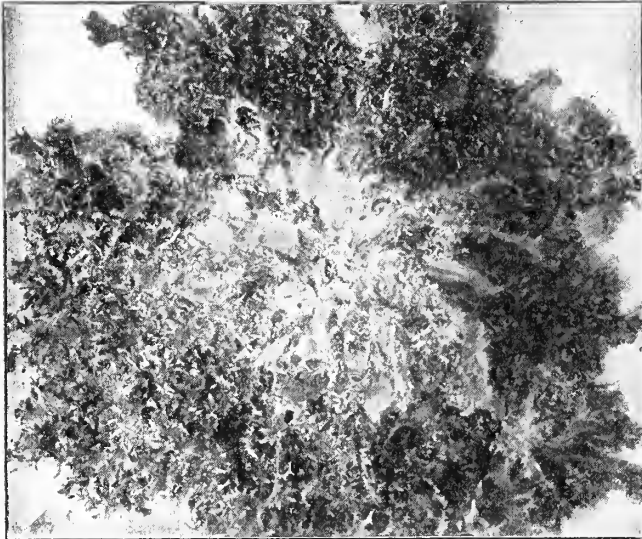
Large Rooted Chicory—The roots are dried and ground and used for flavoring or to substitute coffee. It can also be served like salsify. Pkt. 10c; oz. 25c; ¼ lb. 50c; 1 lb. \$1.50.

We pay postage on pkts., ozs., ¼ lbs. and 1 lbs.

Endive

(German—Endivie.
French—Endive)

Culture—Sow in June, July and August; cover lightly; when up thin out to eight inches apart, and water well afterwards, if dry. When the leaves are 6 to 8 inches long, blanch by gathering in the hand and tying together near the top with yarn or bast. This must be done when quite dry or they will rot. At the approach of Winter, take up carefully, with a ball of earth to each plant, and place close together in frame or cellar for use. They must be kept dry and have plenty of air.



White Curled Self Blanching Endive.

Green Curled—Tender and crisp. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

White Curled—Self-blanching. Very tender when young; blanches readily. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Broad Leaved Batavian (Escarole)—This variety is chiefly used in soups and stews; it requires to be tied up for blanching. Pkt. 10c; 1 oz. 15c; ¼ lb. 40c; lb. 1.25.

Herbs

(German—Krauter.
French—Herbes)

Culture—Herbs delight in a rich, mellow soil. Sow seeds early in Spring in shallow drills, one foot apart; when up a few inches thin out to proper distances, or transplant. They should be cut on a dry day just before they come into full blossom, tied in bunches and hung up or spread thinly where they can dry quickly.

Anise—Pkt. 10c.
Balm—Pkt. 10c.
Catnip—Pkt. 10c.
Pennyroyal—Pkt. 10c.
Peppermint—For flavoring—Pkt. 10c.

Tansy—Pkt. 10c.
Borage—Pkt. 10c.
Caraway—Seeds used to flavor bread. Pkt. 10c; oz. 25c.
Coriander—Pkt. 10c.
Dill—The seeds are used as a condiment and for pickling. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 75c.

Fennel, Sweet—A hardy perennial, indigenous to Southern Europe. The leaves are extensively used in sauces for flavoring. Sometimes eaten raw. Pkt. 10c; oz. 25c; ¼ lb. 75c.

Horehound—For medicinal purposes and flavoring. Pkt. 10c.
Lavender—For flavoring and perfumery. Pkt. 10c.

Martynia—Produces long green pods which are used for pickling. Pkt. 10c; ½ oz. 25c.

Rosemary—Leaves used for seasoning. Pkt. 10c.

Rue—Pkt. 10c.

Sage—For seasoning and dressing. Pkt. 10c; oz. 40c.

Summer Savory—Used for flavoring. Pkt. 10c; oz. 25c.

Sweet Basil—For flavoring soups. Pkt. 10c; oz. 25c.

Sweet Marjoram—Leaves and ends of shoots used for seasoning. Pkt. 10c; oz. 40c.

Saffron—For medicinal and coloring purposes. Pkt. 10c.

Thyme (Broad Leaf)—For seasoning, also for making tea for nervous headache. Pkt. 10c; oz. 50c.

Wormwood—Pkt. 10c.

Finocchio, or Florence Fennel

A delicious vegetable which should be more largely grown. It is extensively used in Italy as a salad, but is particularly palatable when served boiled, with a cream dressing. When the enlargement of leaf stalk, at base of stem, is about the size of a hens egg it should be earthed up so as to cover half of it, and in about ten days cutting for use may be commenced and continued as the plants increase in growth. The flavor is somewhat like celery, but it has a sweeter taste and delicate odor. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.

Kohl-Rabi

One ounce will sow 150 feet of drill.

This is a favorite vegetable in Europe, where it is extensively grown for table use. The bulb is formed above ground, and, if used when young and tender, makes a most delicate dish for the table.

Earliest White Vienna—Greenish white outside, with clear white flesh within. Smooth, short leaf. Pkt. 10c; oz. 15c; ¼ lb. 50c; lb. \$1.75.

Earliest Purple Vienna—Same in every respect as the Earliest White Vienna, except in the outside color. Pkt. 10c; oz. 25c; ¼ lb. 75c.

KOHL-RABI PLANTS, SEE PAGE 5.



Earliest White Vienna Kohl-Rabi.

Kale, or Borecole

(German—Kranskohl.
French—Chou Vert)

One ounce sows a drill of about 100 feet. 2 to 3 lbs. to the acre.

Culture—Sow from May to June, and cultivate same as Cabbage. For early Spring use, sow in September, and protect during Winter. The Kales are more hearty than Cabbage, and make excellent greens for Spring and Winter use, and are improved by frost.

BORECOLE PLANTS, SEE PAGE 5.

M.S. EMERALD ISLE KALE—This is really the handsomest Kale that has ever come under our notice, and is entirely distinct from other strains. The closely curled, handsome leaves are most attractive. A fine exhibition plant of medium height. Very hardy. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

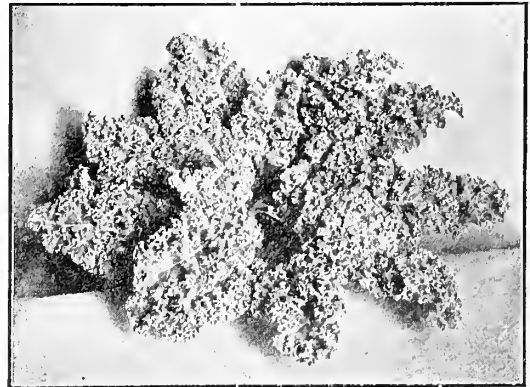
Dwarf Green Kale—Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 60c.

Tall Scotch—Best for Summer. Very spreading, nicely curled and hardy; frost improves it. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.

New Imperial Curled Long Standing—The leaves are very crimped and of a dark green color. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 60c.

Dwarf Green Curled Scotch, or Norfolk—One of the most popular shipping sorts; very largely used in Norfolk trucking district. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 85c.

Sea Kale—Not a true Kale (a member of the Cabbage family) but a perennial which should be grown and cultivated like rhubarb. The edible parts are the young, strong shoots that come up in early spring. When blanched, they are cooked and served like asparagus, or the leaves may be used as greens. Pkt. 10c; oz. 30c.



Borecole—Hardy Winter.

Borecole, Hardy Winter—This variety is grown and treated like cabbage. The plant attains a height of 18 inches, with an abundance of beautiful light green leaves which are densely curled and crimped. Besides being very hardy it possesses the advantage of all other varieties in forcing a second crop of moss-curved leaves as soon as the first ones are gone. This new growth is of the finest quality, and is ready for market during the Winter and early Spring months, when it demands fancy prices. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

Spring Kale—A hardy, quick-growing, smooth-leaved variety. Sow at intervals of ten days, so as always to have it young and tender. Pkt. 10c; ¼ lb. 15c; 1 lb. 35c.

We pay postage on pkts., ozs.,
¼ lbs. and 1 lbs.

M.-S. CHOICE STRAINS OF LETTUCE

French—Laitue.)
(German—Salat.

Two ounces of seed to 100 yards of row; one ounce for 2000 plants

Culture—Lettuce is now sown during most all seasons of the year. For outdoor use the seed can be sown in well-manured hotbeds in February and March. Transplant there or outdoors when the weather will permit, in rows about 12 inches apart, 10 inches apart in the row. If the salad is not to head, sow thickly and cut as desired. For best results it is well to sow only the varieties best suited to the different seasons and conditions. For winter use sow the seed in September in hotbeds and follow it with other sowings for succession.



Big Boston Lettuce

Big Boston—Desirable for forcing and Spring and Fall outdoor planting. Always makes large, buttery heads with thoroughly blanched hearts. The heads are extra large, firm and solid, brittle and buttery; the hearts are crisp and beautifully blanched. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

Los Angeles, New York, or Wonderful—This very large heading lettuce is desirable not only as a garden variety for summer use but is much used as a fall and winter market sort. It is the variety largely grown in California and shipped to eastern markets under the trade name of Iceberg. The plant is very large but compact and tight heading; outer leaves attractive deep green, broad, frilled at edges. The inner leaves form a large head, very sweet and tender when in condition for use. Cultivate same as Big Boston. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.

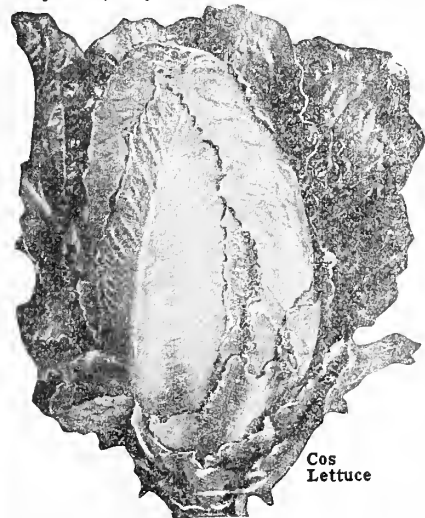
May King—This valuable Lettuce is, without any question, one of the best Lettuces on the list for early Spring planting in the open ground. The heads are six to seven inches in diameter, of a clear light green, the outer leaves being slightly tinged with brown, the inner being clear, bright yellowish, with very rich, oily flavor. It is an excellent market sort, the round, compact heads being so solid that they carry extremely well. Pkt. 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

Romain White Paris Cos—Has long, narrow, upright leaves; does not head, but when tied up blanches very nicely. Pkt. 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$1.75.

Best of All—A great drought and heat resister; forms large compact heads of light green leaves and yellow heart. Pkt. 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

Grand Rapids—Excellent for forcing, fine quality, large, loose, yellowish-green head, stands well. Pkt. 10c; oz. 15c; ¼ lb. 60c; 1 lb. \$1.50.

California Cream Butter—A good Summer sort, of reliable heading quality. Yellowish-green, slightly



Cos Lettuce

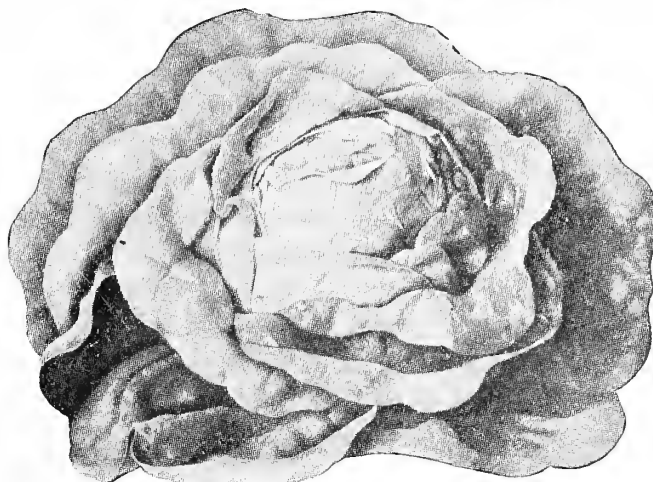
Romain White Cos Lettuce

marked with brown specks. This is a variety growing in favor. Pkt. 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

Boston Market, or White-Seeded Tennisball—Early and compact, quite desirable, good forcer. Pkt. 10c; oz. 15c; ¼ lb. 60c; 1 lb. \$1.50.

Black Seeded Tennis Ball—Similar to above. Price same.

Way-a-Head—Similar to the above, but suitable for all-season in or out-door planting. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$1.75.

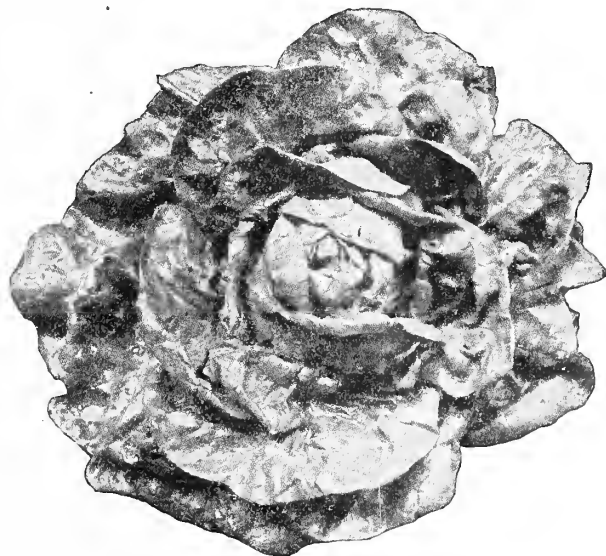


M.-S. Belvedere.

M.-S. BELVEDERE LETTUCE—In 1912 we introduced this grand Lettuce after having it in our trial grounds for two seasons, and we were amply repaid by the success which our Truck Farmer customers had with it. The M.-S. Belvedere is extremely slow in running to seed; it is therefore the ideal Lettuce to plant in the Spring, as it withstands the Summer heat better than any variety we have known so far. It is all green, no red edges, is tender and crisp and has a fine yellow heart. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.

WHITE BOSTON SPECIAL—A new, very high-class strain of the pale green-leaved Big Boston type without the red-tinged leaf-edge. A surely dependable sort for growing in coldframes and for first field-planting in the early spring. Lettuce from this strain is not quite as large-framed but it cuts nearly as heavy in number of crates as the regular Big Boston, and it sells quicker and at higher prices. Many fields gave a 90 per cent first cutting for early market at top prices. The heads show comparative freedom from tip-burn. These features will soon repay the high seed-cost. Price same as above.

Oak Leaf—Quite popular. Pkt. 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

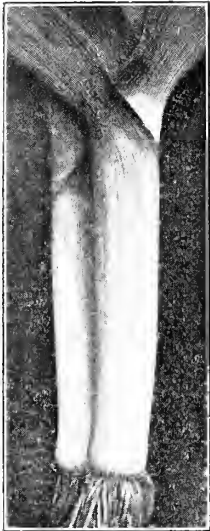


All Season M.-S. Strain.

M.-S. STRAIN ALL-SEASON—A cabbage lettuce of sterling merit, making larger and more closely folded heads than any other known variety. The outer leaves are a bright, soft green, the inner ones rich golden yellow. The solid heads measure from eight to ten inches across. Black seed. Pkt. 10c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

Black Seeded Simpson Lettuce—Fine, large, loose heads, early, finely fringed and curled; very popular for family garden and forcing. Pkt. 10c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

LETTUCE PLANTS POPULAR VARIETIES, SEE PAGE 5.

We Pay Postage on Pkts., Ozs., $\frac{1}{4}$ Lbs. and 1 Lbs.

Leek

(German—Lauch. French—Poireau)
One ounce to 150 feet of row.

Culture—Sow the seed and care for the young plants same as for Onions, but they need a little more room to develop fully. When the young plants are about the size of a goose quill, transplant into a prepared bed in rows one foot apart and four to five inches in the rows. Set the roots deep and draw the earth to them when cultivating, so that they may be well blanched by the time they are fit for use.

Giant Carentan—Produces a large, thick stem and of mild flavor. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.

American or Flag—One of the hardiest and best for Winter use. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.

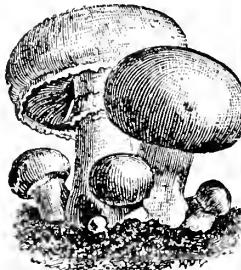
Pure Culture, Spore Process Mushroom Spawn

Flag Leek

The best procurable; making cream colored mushrooms. 1 brick 25c (postpaid 32c); 5 bricks, \$1.00 (postpaid, \$1.15); 25 bricks, \$4.50 (postpaid, \$4.85); 50 bricks, \$8.50 (postpaid, \$9.10); full case, 100 bricks, \$16.00. Express or freight.

Leaflet on Growing Mushrooms free.

Mushroom, or Hotbed Thermometers—Wood frame, heavy brass point. Price, \$3.00. Parcel post weight, 2 lbs.



Mustard

(German—Senf. French—Moutarde)
One ounce will sow 100 feet of drill.

Culture—A small, pungent salad, used like cress; the seed is also used for flavoring pickles, pepper sauce, etc. For salads sow thickly in shallow drills 6 inches apart. Since plants go to seed quickly, short rows should be sown frequently, rather than long ones at one time. Successive sowings can be made every week or two. To grow seed, sow in April, in rows 1 foot apart, and thin out to 3 inches apart when 2 inches high.

Chinese—Large, light green leaves, frilled at edge. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.



Improved Dwarf
Green Prolific Okra

Southern Giant Curled—Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

White English—Used mostly for the white seeds. Price same as above.

Okra, or Gumbo

(German—Safran)

Four ounces to 40 feet of drill.

Culture—Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm, in drills three feet apart, one inch deep; thin to 10 inches apart in drills. Grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor, and are considered nutritious.

White Velvet, or Lady Finger—Bears round, white, smooth pods, unlike other varieties, which are ridged or square edged. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 20c; lb. 60c.

Improved Dwarf Green Prolific—Of dwarf growth, but immensely productive and very early. Short, thick, green pods. Home grown seeds of superior quality. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 20c; lb. 60c.

Perkins' Mammoth Podded—The pods are of an intense green color, of unusual length—eight or nine inches—and do not get hard, as is the case with other okras. Very superior for canning. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 60c.

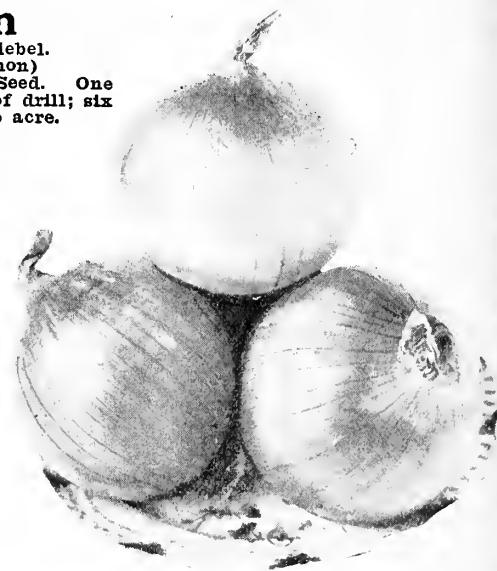
Onion

(German—Zwiebel.

French—Eignon)

American Grown Seed. One ounce for 100 feet of drill; six pounds for one acre.

Culture—For sets sow the seeds early as possible in the Spring, very thickly in drills. As soon as the tops dry off in the Summer remove them to a dry, airy place, and early in the following Spring replant by placing the sets in shallow drills 12 inches apart and about four inches apart in the drills; the Onions of this process obtained are of large size early in the season also be grown to full size during the first season by sowing thinly in drills one foot apart and about one-quarter inch



Mammoth Prizetaker.

deep in March or in early April, in strong land, well manured, and thinning them out to stand 3 or 4 inches apart in the drills

Prizetaker—This is the large, pale yellow onion that is offered for sale in fruit stores and markets in the Fall. It grows to a very large size; flesh white, of mild and delicate flavor. The large onions are raised the first year from seed, and with ordinary culture produce enormous crops. The onions sometimes go over three pounds each in weight where good soil and culture is given them. Our seed is pure and genuine. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.25.

Yellow Globe Danvers—One of the most extensively used yellow onions. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Large Red Wethersfield—Grows to full size the first season from seed; almost round, large size, deep red color, and keeps well. Price same as above.

Australian Brown—A brown skinned onion which grows to a good size the first season. Price same as above.

White Silverskin—Ripens early; of large size, mild in flavor and excellent for Winter use; much esteemed for pickling when small. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.

Southport White Globe—The earliest of the Southport Globes, perfecting a very handsome product within 90 days from sowing seeds. The bulbs are pure white and of a very mild flavor, also equally as good for keeping as the Yellow Globe. The flesh is remarkably firm and solid. It is an enormous yielder, and as it is very attractive, always sells at high prices. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 90c; lb. \$3.00. **ONION PLANTS, SEE PAGE 5.**

White Bermuda—They are of a mild and delicate flavor, and keep longer than any foreign variety. They will produce full-grown onions from seed the same season. Pkt. 10c; oz. 50c.

Chives Seed—Pkt. 10c; oz. 75c.

Onion Sets

One quart will plant a row about 50 feet; 10 to 15 bus. to 1 acre.

Used for an early crop of onions, and should be planted just as soon as the ground can be worked. Press the bulb lightly in the ground and do not cover; in rows 12 inches apart, 2 inches apart in the row; so that all the development goes in the onion; on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in this locality for Winter storage as early as July 10th. The advantage in planting sets lies in the fact that the young onion is ready in five weeks from time of planting, while those grown from seed cannot be used until well in the Autumn. Shipped on local orders about March 1st, unless otherwise requested.

For parcel post add to all pts. 7c, qts. 8c, $\frac{1}{2}$ pecks 10c, pecks 15c, bus. 40c.

Yellow Danvers—Pt. 15c; qt. 25c; $\frac{1}{2}$ peck 75c; pk. \$1.25; bu. of 32 lbs. \$3.75.

Large Red Wethersfield—Price same as above.

White Silver Skin—Pt. 15c; qt. 25c; $\frac{1}{2}$ peck 75c; pk. \$1.25; bu. of 32 lbs. \$4.25.

Japanese, or Ebenezer Onion Sets. This variety is globe-shaped, about the color of a yellow Danver, is very solid and has a mild flavor. It will keep longer than any other variety. Price same as above.

Multiplier Onion Sets, yellow and white and Egyptian Top Onion, Brown, are furnished in Sept. and Oct. Market price.

Price on Onion Sets subject to change.

Prices on larger quantities furnished on request.

We Pay Postage on Pkts., Ozs., $\frac{1}{4}$ Lbs. and 1 Lbs.

MUSKMELONS or CANTALOUPE

(German—Melone. French—Cantaloupe). One ounce will plant about 50 hills; two to three pounds in hills to acre.



Bottomly Cantaloupe.

Culture—Thrives best in light, rich soil. Plant early in May, in hills six feet apart. Manure in hill and sow seed freely. After danger from bugs is past thin to three plants per hill. When one foot long, pinching off tips makes vines branching and strong, and fruit will mature earlier. Water freely and feed liquid manure occasionally. For early use, sow in hotbed, on piece of sod.

SALMON-TINT No. 10-25—This is an early melon of the solid netted type that is so desirable. Very small seed cavity, with thick, luscious flesh of genuine salmon-tint shading to green near the rind. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.25.

Bottomly Cantaloupe—True Anne Arundel strain. Great favorite with the Anne Arundel County truckers and private gardeners. Medium size, oblong, deeply netted, green flesh and delicious flavor. Our illustration shows this splendid variety so true to nature that there is no further need of describing it. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75.

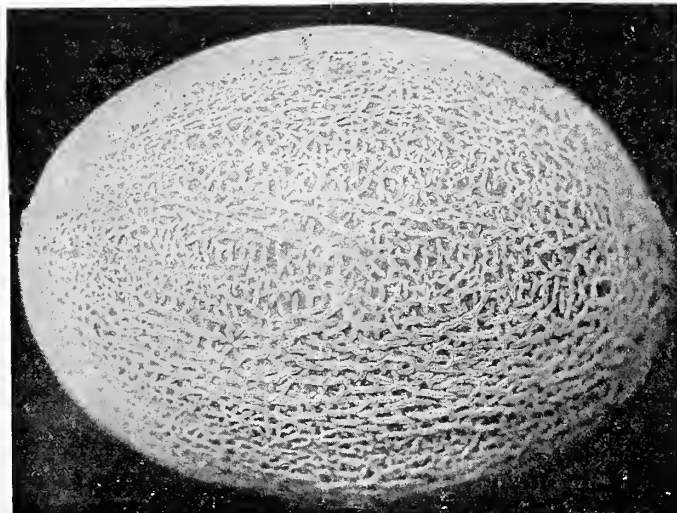
M.-S. GOLDEN WONDER CANTALOUPE—Most delicious flavored golden yellow meat, which is thick and solid. Medium size, oval in shape, very vigorous and productive vines, which are great drought and blight resisters. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Rocky Ford—We have a very fine stock of this popular cantaloupe. Small, oval, of excellent quality and a good shipper; early; green fleshed. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

M.-S. DELICIOUS GOLD-LINED ROCKY FORD CANTALOUPE—Its shape is ideal, very slightly oval, no ribs, and is heavily netted over the entire melon. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25.

Early Netted Gem—One of the best of small melons, and very popular. Prolific and of excellent quality. Very early. A great favorite. Green fleshed. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

We do appreciate hearing from pleased customers.



M.-S. Delicious Gold Lined Rocky Ford.

Emerald Gem—Small, green skin, and delicious yellow flesh. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Acme, or Baltimore Nutmeg—A great favorite for retail market and for shipping. Large, oval, deeply netted, solid and of fine quality; green fleshed. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. \$1.

Jenny Lind—Very early, small, round, netted and of fine quality; green fleshed. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. \$1.00.

Miller's Cream, or Osage—Melons are large and round, with light green, netted skin, and thick, sweet, salmon-colored flesh. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Knight Cantaloupe—True Anne Arundel County grown strain. The great favorite of the Baltimore market, of good size, deeply netted, green flesh, and delicious flavor. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.75.



Rocky Ford Cantaloupe.

Banana—This melon surpasses all others in its delicious fragrance. The flesh (the melon being nearly solid) is of a rich salmon. The quality is first rate when the melon is thoroughly ripe. It grows from 20 to 28 inches in length and is very prolific. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Montreal Market—The large fruits are nearly round in form, slightly flattened at ends, with very large, broad, heavy ribs. Dark green skin, thickly covered with heavy netting. The flesh is two inches thick, light green, melting, and of delicious flavor. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

New Honey Dew—Produces a melon with smooth, almost white rind, measuring about six inches in diameter by seven to eight inches long. The green flesh is thick and is of a peculiar sweet flavor, resembling a well-ripened banana. To have the melons in the best condition we suggest gathering (or picking) as soon as they slip from the vine and store in a cool place for two or three days before serving; they apparently are at their best when a trifle over-ripe. While we cannot yet recommend Honey Dew for general culture, we offer selected seed at: Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

HONEY DEW—Pink-fleshed, same as the above with the exception that the flesh is of a beautiful pink tint and highly flavored. Price same as green-fleshed.

Wizard Brand Sheep Manure—Apply 1,000 lbs. per acre. For garden, lawn or greenhouse use. This is where you get a whole cart load of manure in a 100-lb. bag at a much lower figure. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.00; 500 lbs. \$13.50; 1,000 lbs. \$25.00; per ton, \$47.50.

Wizard Brand Cow or Cattle Manure (Shredded)—Convenient to handle, making it possible for everyone to get this usually scarce article at all times. This is where you get a wagon load of manure in a 100-lb. bag. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.50; 500 lbs. \$16.25; 1,000 lbs. \$30.00; per ton, \$55.00.



We Pay Postage on Pkts., Ozs., $\frac{1}{4}$ Lbs. and 1 Lbs.

Parsnip

(German—Pastinake.
French—Pannais.)One ounce for 200 feet of
drill; five to six pounds
for an acre.**Culture**—Sow as early in
the Spring as the weather
will permit, in drills 16
inches apart and one-half
inch deep, in a rich, deep
soil; thin out to six inches
apart in the rows. The
quality of the roots is im-
proved by leaving them in
the ground over Winter for
Spring use.**Improved Hollow Crown**—The best
variety. A great cropper, roots long,
very smooth, white, tender, sugary,
and of excellent flavor. Pkt. 10c; oz.
15c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c.

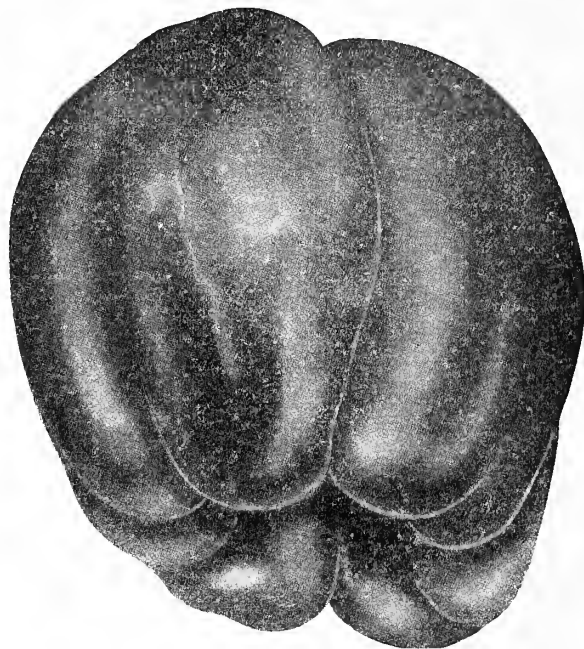
M.-S. Improved Jumbo Peanuts

(German—Erdnusse.
French—Pistache de terre.)**Culture**—Plant in May or early
June, in rows about $2\frac{1}{2}$ to 3 feet
apart, dropping the nuts 8 to 10 ins.
apart, one in a hill. Cover 1 or 2
inches deep. Cultivate three or four
times with a cultivator, so as to
loosen the earth and keep down
weeds, and at the last working, with
a shallow turn-plow throw the dirt
to the nuts.Price— $\frac{1}{4}$ lb. 15c; $\frac{1}{2}$ lb. 20c; 1 lb.
30c. Special price on large quantity.Improved
Hollow
Crown.

Pepper

(German—Pfeffer. French—Poivre)
One ounce will produce 1,000 plants.**Culture**—Sow in hotbeds in March or April, or on a warm,
sheltered border in May; when the season is favorable transplant
in rows two feet apart and 18 inches in row, in good, rich ground.**M.-S. Everbearing Sweet Pepper**—Early, large productive
and of finest quality. The flesh is so thick and the meat so
tender, that it can be fried like meat; it is so sweet that it may
be eaten like an apple. Pkt. 10c and 25c; $\frac{1}{2}$ oz. 35c; 1 oz. 65c;
 $\frac{1}{4}$ lb. \$2.25; 1 lb. \$8.00.**Large Bell or Bull Nose**—Large, early variety; hot flavor, thick
and fleshy. Pkt. 10c; $\frac{1}{2}$ oz. 20c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.25.**Chinese Giant**—This is a real monster pepper, perfectly sweet,
the fruit is green turning to bright scarlet, matures very late,
a very shy seeder. Fine for stuffed mangocs. Pkt. 10c; oz. 50c;
 $\frac{1}{4}$ lb. \$1.75; 1 lb. \$6.50.**Perfection Pimento Pepper**—Very fleshy and sweet. Pkt. 10c;
 $\frac{1}{2}$ oz. 30c; 1 oz. 50c.**Long Red Cayenne**—Long, slim, and very pungent. Pkt. 10c;
 $\frac{1}{2}$ oz. 20c; oz. 35c; $\frac{1}{4}$ lb. \$1.00.**Mammoth Ruby King**—Good for Mangoes or pickling, very
sweet. Large, quite productive. Pkt. 10c; $\frac{1}{2}$ oz. 20c; oz. 35c;
 $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.50.**Small Chili**—Small, conical pods. Very hot. Pkt. 10c; $\frac{1}{2}$ oz.
30c; oz. 50c.**Red Cherry**—A small round pepper, very hot. Pkt. 10c;
 $\frac{1}{2}$ oz. 40c; oz. 75c.**Neapolitan**—Grows a long shape and somewhat narrow; it
stands upright on the bushes. Sweet, bright red; and very early.
Pkt. 10c; $\frac{1}{2}$ oz. 20c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.25.**Golden Dawn**—A large yellow variety, very sweet. Pkt. 10c;
 $\frac{1}{2}$ oz. 35c; oz. 60c.**CALIFORNIA WONDER PEPPER**—Introduced in 1925. This
pepper while similar both in size and shape to the Chinese Giant,
is a much heavier and thicker meat pepper, the meat being
about three times as thick as the Chinese Giant. The flavor is
sweet, excellent and the keeping quality could not be better. It
will outkeep a Chinese Giant Pepper by many days. A medium
size pepper will average $\frac{1}{2}$ lb. or better in weight when ready
for marketing. It is an excellent shipper, uniform in shape
and size. Pkt. 25c; $\frac{1}{2}$ oz. 50c; 1 oz. \$1.00; 2 ozs. \$1.75; $\frac{1}{4}$
lb. \$2.50; 1 lb. \$9.00.

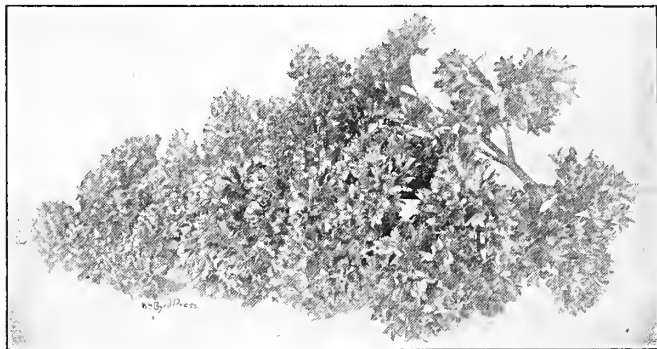
PEPPER PLANTS LISTED ON PAGE 5.



California Wonder Pepper.

Parsley (German—Petersilie. French—Persil)

One ounce to 150 feet of drill.

Culture—Parsley requires rich, mellow soil. The seed is even
slower than Parsnip in germinating, and should be sown as early
as possible in the Spring, in drills one foot apart, and when the
plants are well up thin to one foot in the row. When the plants
are about three inches high, cut off the leaves, the plant will
start a new growth.

M.-S. Green Curled Beauty Parsley.

M.-S. GREEN CURLED BEAUTY PARSLEY—Very hand-
some, dark green, beautifully curled. Dwarf habit, hardy and
productive; very slow going to seed; it can be cut the year
around. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.**Champion Moss Curled**—A distinct variety of unequalled merit,
beautifully crimped and curled. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c;
1 lb. \$1.25.**Green Mountain Parsley**—Beautifully crimped and curled;
perfectly hardy and vigorous grower. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb.
40c; 1 lb. \$1.25.**Hamburg, or Rooted**—Edible roots. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb.
50c; 1 lb. \$1.50.WE DO APPRECIATE HEARING FROM PLEASED
CUSTOMERS.**SEMESAN PRODUCES FINER VEGETABLES**—Plant and
seed diseases are responsible for poor yields and the un-
blemished quality of many popular vegetables. The best means
of eliminating such wastes, consists of preventing the cause
at its source by the disinfection of vegetable seeds with
Du Pont Semesan.

M.-S. SUPERIOR HAND PICKED PEAS

(German—Erbesen. French—Pois)

Prices on Larger Quantities on Application.

Sow one quart of seed to 100 feet of row; and one-half to two bushels to the acre in drills.

Prices on all Pea Seeds are subject to market changes.

Packets of all varieties of Peas, 10c.

Culture—Peas succeed best in light, dry, loamy soil. Early and dwarf sorts require richer soil than the late varieties. If manure is used, let it be old and well-rotted, or there will be a rank growth of vines with few pods. Sow the early, smooth, round sorts as early in the Spring as the ground can be worked. Seeds of wrinkled varieties are more liable to rot if the ground is cold, and must be planted later. Sow in single rows, dwarf sorts three feet apart and tall sorts four feet apart, or in double drills, six to eight inches apart, one inch apart in the drill, and not less than four inches deep, for late sorts five to six inches deep. Deep planting prevents mildew.

IF TO BE SENT BY PARCEL POST, add to $\frac{1}{2}$ pt. 7c; pt. 8c; qt. 9c; $\frac{1}{2}$ peck 15c; peck 22c; bus. 67c.

Extra Early Varieties

(Weight 60 lbs. per bushel.)

Early Bird—As early as Alaska and First and Best. As large as Thos. Laxton or Gradus. Dwarf, vigorous vines about 2 feet high, covered with immense well-filled pods. Perfectly hardy. Can be planted as early as any variety. Pkt. 10c; $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 50c; $\frac{1}{2}$ peck \$1.75; peck \$3.00; bus. \$10.00.

Acquisition—The best of the smooth, blue seeded, Ameer or Claudit type, and is certainly an acquisition for the market gardener as it will stand planting as early as Alaska. Height 2½ feet. Foliage and vine strong and sturdy and deep green in color; pods deep green, 4 in. long, broad, saddle-backed, slightly curved and pointed, containing 7 to 8 large, medium green peas. Price same as above. Supply limited.

Extra Early Alaska—Popular among market gardeners for an early crop. The pods are medium size, dark green in color and ripen almost at one time. Pkt. 10c; $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 40c; $\frac{1}{2}$ peck \$1.25; peck \$2.25; bus. \$8.50.

Pedigree First and Best—An excellent strain of first early peas; very popular and largely planted throughout trucking sections. Height two to two and one-half feet. Price same as above.

Prolific Early Market—This is one of the largest podded and most productive of all smooth-seeded, extra early peas. Vines grow about 30 inches in height, and can all be gathered in two pickings. The pods are remarkably well filled, and the peas sweet and fine flavored. A most satisfactory prolific early sort, both for the market gardener and the home gardener. Price same as above.

Long Podded Alaska—Vines of this variety grow about three feet high and are heavy bearers. The pods, three inches long, mature shortly after Alaska and are well filled with sweet, tender peas. Price same as above.

Extra Early Wrinkled Varieties (Weight 56 lbs. per bushel.)

M.-S. WORLD'S RECORD—Medium vines of dark green color and heavy foliage, bearing large handsome well-filled pods measuring sometimes 4 ins. and longer, filled with from 8 to 12 tender, luscious peas. Pkt. 10c; $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 50c; $\frac{1}{2}$ peck \$1.75; peck \$3.00; bus. \$11.00.

Laxtonian—A dwarf pea with large handsome pods. It is slightly earlier than Gradus, maturing about the same time as Thomas Laxton. Vines medium dark and medium heavy of foliage. Pods 3½ to 4 inches long, slightly curved. Will bear more abundantly at top of Vines, making it easy to pick, very heavy yielder. Price same as above.

Thomas Laxton—An exceptionally fine variety, growing three feet in height and yielding large podded peas, four to five inches in length, of the finest flavor, very early. Pkt. 10c; $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 45c; $\frac{1}{2}$ peck \$1.50; peck \$2.75; bus. \$10.00.

Gradus, or Prosperity—One of the most popular wrinkled sorts. Even though it matures a short time later than the extra earlies, the pods, fully as long as those of the well-known Telephone, contain very large peas that are unexcelled for sweetness. Price same as above.

Medium Early Wrinkled Varieties

(Weight 56 lbs. per bushel.)

M.-S. LITTLE MARVEL PEA—An extremely valuable variety, especially suited to small home gardens, and also a splendid variety for early market gardening. It matures very early and produces large crops. The vines grow about 15 to 18 inches in height. The pods are dark green, fair sized, produced in pairs, and are closely filled with 7 to 8 peas of extra fine flavor. Pkt. 10c; $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 45c; $\frac{1}{2}$ peck \$1.50; peck \$2.75; bus. \$10.00.

Nott's Excelsior—Resembling Little Marvel in habit and growth. Price same as above.

Daisy, or Dwarf Telephone—The striking features of the Daisy pea are its large pods and the way in which they are heaped up in ridges on the short, strong vines. The pods are well filled with large peas of most excellent quality. The vines are 16 to 18 inches high, and, being strong and thrifty, require no support, making it an ideal variety for use where brush or stakes are not available. This pea is desirable on account of the fine appearance of the pods. Price same as above.

Pot Latch—Resembling Daisy, or Dwarf Telephone in habit and growth. Price same as above.

Medium and Late Varieties

(Weight 56 lbs. per bushel except in Sugar Marrow.)

Telephone—For general planting this tall-growing variety is undoubtedly the most popular among market gardeners. The pods 4 to 4½ inches long, are light green in color and filled with large, sweet, tender peas. Pkt. 10c; $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 45c; $\frac{1}{2}$ pk. \$1.50; pk. \$2.75; bus. \$10.00.

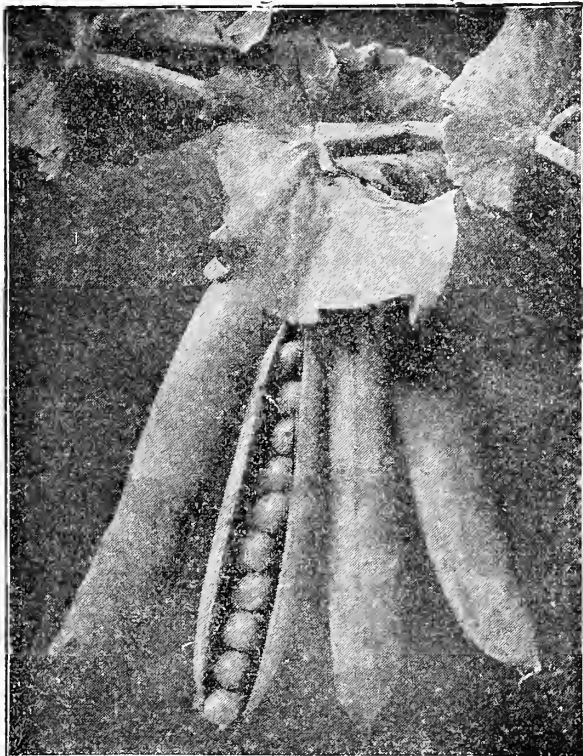
Champion of England—A standard pea; vines grow 4½ feet high and bear medium-sized pods of peas of good quality. Price same as above.

Improved Sugar Marrow Peas—We have the genuine stock of this variety. This pea is the kind planted principally by the larger growers around Baltimore for late crop. It is a strong grower and produces an abundance of large, well-filled pods. Pkt. 10c; $\frac{1}{2}$ pt. 15c; pt. 25c; qt. 40c; $\frac{1}{2}$ peck \$1.25; peck \$2.25; bus. \$8.50.

Dwarf Melting Sugar—The pods as well as the peas of this variety are edible and both very sweet. Pkt. 10c; $\frac{1}{2}$ pt. 20c; 1 pt. 35c; 1 qt. 60c.



Early Bird Peas.

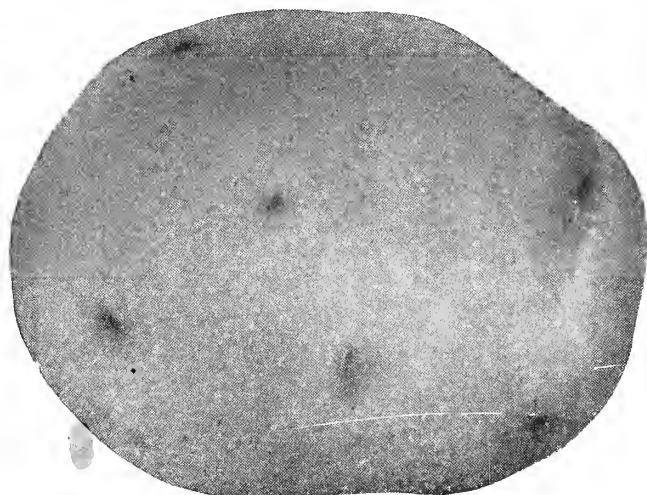


M.-S. World's Record Peas.

POTATOES

Subject to Market Fluctuations.
Prices on large quantities furnished
on application.

(German—Kartoffeln. French—Pomme de Terre)



Irish Cobbler Potato

Present price of all kinds: Peck 75c; bushel \$2.00.

Sack of 165 lbs. \$5.00.

If wanted by parcel post, first and second zone,
add to peck 22c, to bus. 67c.

Prices on quantity of Potatoes furnished on application.

Potato prices subject to market fluctuation.

Culture—Planting may commence as early in the Spring as the ground can be worked. Place one piece every twelve inches in rows two and one-half feet apart, covering about four inches. When cutting the seed allow one eye to each piece.

Ten bushels cut tubers will plant one acre.

Red Bliss—Very early, thin, red skin, round, white flesh.

Irish Cobbler—This is an early potato of exceptional merit, which has given our trade entire satisfaction. The shape is round. Flesh is white and the eyes strong and deeply set.

Houlton Early Rose—The Houlton strain of the old favorite Early Rose has been the most popular on our market in recent years.

Crown Jewel—A well-known and deservedly popular early variety. Very productive and an excellent cooker. Skin white and smooth, eyes shallow, but strong.

M. & S. FILL BASKET—On account of the large yields that have been reported on this potato, our sales on it have increased wonderfully. It is of handsome round shape and most desirable for the best trade. It is a vigorous grower, ripens uniformly, is a good keeper, medium late. The vines are always very heavy, the seed being especially vigorous, and tubers always good size, where soil is well tilled. Very smooth and a good cooker.

Improved Green Mountain, Prosperity and Dakota Reds (all three late sorts). Prices furnished on application.

Choice Seed Sweet Potatoes, Leading Varieties—Prices on application. Sweet Potato Plants. SEE PAGE 5.

SEMESAN BEL

America's Premier Potato Disinfectant

SEMESAN BEL acts as an antiseptic that either kills or retards the development of disease producing bacteria and fungi, as well as other similar parasitic organisms that may not produce disease results but which feed on the seed pieces, causing handicapped sprouting and weak or stunted growth of plants. 1 lb. \$1.75 will treat 10 bus.; 5 lbs. \$8.00.

Reference:

I am sending you a sample of Irish Cobbler Potatoes, which were raised from M.-S. Seeds, they produced 300 bus. to the acre, all such as I am sending you.

JOHN MEHL, Gardener,
Foxcroft School, Middleburg, Va.

WE DO APPRECIATE HEARING FROM PLEASED
CUSTOMERS.

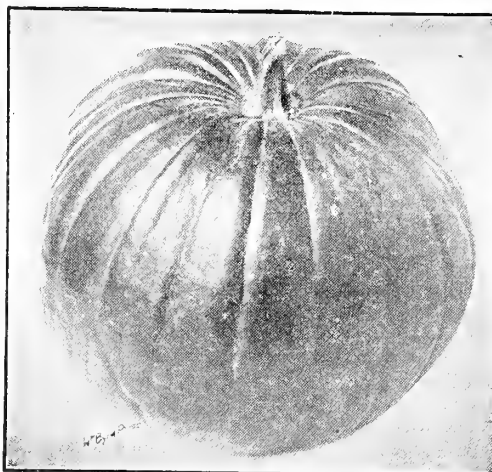
Pumpkins

(German—Kurbiss. French—Potiron)

We pay postage on pkts., ozs., ¼ lbs. and 1 lbs.

One ounce for fifteen hills; three to four pounds plant an acre.

Culture—Sow in the month of May. Make hills the same as you do for squashes, but do not make the hills too close.



King of the Mammoths, or Pot Iron Pumpkin.

grained yellow flesh, very solid. Price same as above.

Cushaw Striped—Same as above, but it is green and white striped. Price, same as above.

King of the Mammoths, or Pot Iron—An immense variety, which always wins prize offered for the largest and best pumpkins, grown to weigh over 200 pounds. Flesh of a rich, golden yellow; a splendid keeper. Price same as above.

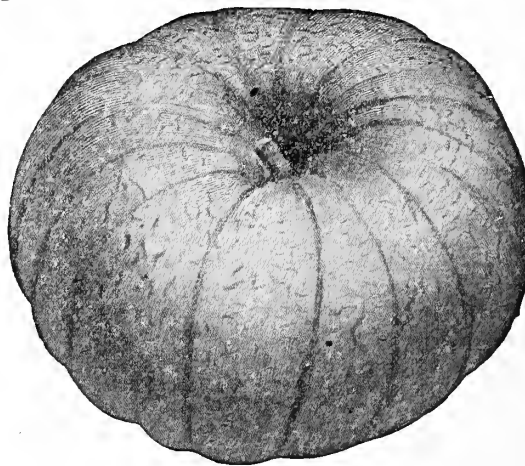
Japanese Pie—Flesh very thick, rich salmon color, fine grain, dry and sweet. Price same as above.

Tennessee Sweet Potato—Excellent for pies; pear-shaped, medium size, flesh and skin creamy white, fine grained, sweet, a first rate keeper. Price same as above.

Sugar, or New England Pie—For making pies this variety cannot be excelled. The Pumpkins are small but very sweet, fine grained and of the best quality. Price same as above.

Winter Luxury Pumpkin—A very good keeper and a splendid pie Pumpkin; shape round; skin finely netted, and beautiful russet-yellow color; flesh thick and of fine flavor. Price same as above.

Common Yellow, or Connecticut Field—Very productive; for feeding stock. Price same as above.



Sugar or New England Pie Pumpkin.

Gentlemen:—I find your Juliana Spinach a great improvement over all other varieties which I have grown in the past.

Yours very truly, JOHN H. GRIFFITH, Manager.

Gentlemen:—It gives me great pleasure to say that our gardens turned out wonderful this season, even though we had such unfavorable weather. I was pleased with everything grown from your seeds.

Sincerely yours,

MR. MOORE, Notre Dame College.

M.-S. SELECTED RADISH SEED

(German—Radies. French—Radis)

We Pay Postage on Pkts., Ozs., $\frac{1}{4}$ Lbs.
and 1 Lbs.

One ounce for fifty-foot drill; ten pounds in drills
to one acre.

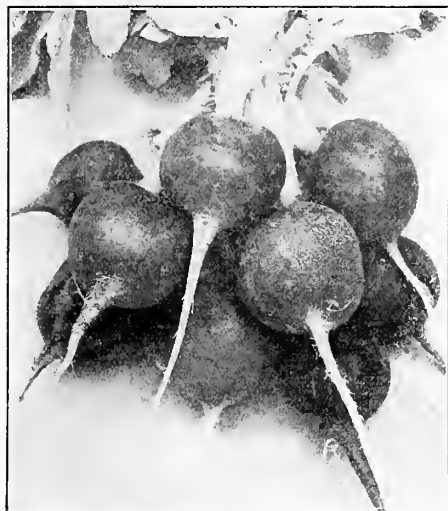
Culture—To be tender and crisp Radishes must be grown quickly, and this requires rich soil and plenty of moisture. Commencing with the first mild spell in the Spring, sow at intervals of ten days. May also be sown as a catch crop between rows of beets, lettuce, onions, etc. Radishes can be forced in hotbeds, but must have plenty of ventilation and moisture.

Extra Early Varieties

Scarlet Globe Early—M.-S. Strain—Highly recommended for truckers. This variety can be used for forcing and is recommended for early outdoor planting. It is small, round, red and of excellent flavor; its rich, crisp, tender flesh makes it very popular. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c; 10 lbs. \$7.00; 25 lbs. \$15.00.

French Breakfast, Early—Oblong shape, rapid grower, very mild and tender; of a beautiful scarlet color, tipped with white. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Early Long Scarlet Short Top—The principal outdoor quick-growing variety, also very good for forcing. Grown in light, rich soil, its average length is about eight inches; grows half out of the ground, straight, uniform in color, brittle, crisp, small tops, bright scarlet. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c.



M.-S. Strain Scarlet Globe.

**We Do Appreciate Hearing from
Satisfied Customers.**

We have so many favorable comments on our M.-S. strain Scarlet Globe Radish that lack of space prevents us from listing same.

Long White Vienna or Lady Finger—Has slender pure white roots which are smooth and average about 6 to 7 inches in size when matured. They are quite early and of excellent quality. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Iceberg—A beautiful long, slender radish, of recent introduction. Beautiful pearl-white color, firm and solid, slow to get woody. A good seller. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c.

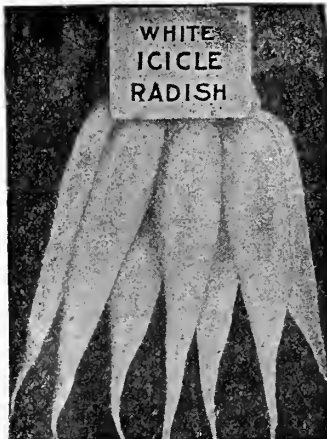
White Strasburg—Handsome, oblong, tapering shape, both skin and flesh pure white; flesh firm, brittle, tender and possessing the most desirable character of retaining its crispness, even when the roots are old and large. Excellent for Summer use, as it withstands severe heat and grows very quickly. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c.

New Glass, or Cincinnati Market—A long Scarlet Radish with a distinctive white tip. A suitable radish for deep mellow soil. A fine radish for the home garden as well as an attractive one for the market stall. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c.

White Turnip (Short Top)—Of quick growth; roots round, pure white, tails very thin; leaves short, flavor excellent. Fine for forcing and open ground. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c.

White-Tipped Scarlet Globe—A good forcing variety. Small size and very attractive, being a handsome, bright scarlet, with white tip. Very early and good quality. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Ruby King, Extra Early—Of brilliant red color, fine for forcing or open ground; roots are tender; juicy and mild. One of the best round red Radishes that grows. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c.



The best soil improver you can use is manure. Use plenty of it. We can sell you a whole wagon load in a 100 lb. bag of our High Grade Sheep or Cattle Manure, at a surprisingly low figure.

M.-S. EARLY CARDINAL RADISH—These are the best little crisp red radishes, which come so early in the season; they grow globular in shape and are of the most brilliant cardinal red color; are tender and crisp; will stand the heat and are fine for forcing. The most desirable for home garden and market gardeners' use. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. 90c.



White Strasburg.

Crimson Giant—Like above but much larger. Very desirable. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Strawberry—The exceptional merit of this radish is proved by its popularity increasing every year with successful market gardeners. This radish is a table dainty, crisp, tender and sweet; it is turnip shaped, bright scarlet color, and is a high class strain for out-door planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Summer Varieties

Large White Stuttgart—Very large, top-shaped, flesh and skin white, fine quality, firm and brittle, seldom pithy. Can be stored for winter. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Large White Summer Turnip—Round, smooth and very white; crisp and tender. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Golden Globe—A favorite summer radish. Golden-brown skin, perfect globe shape, mild and brittle, slow to seed. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Improved Chartier—Somewhat resembling brightest scarlet—early radish. It is double the size and later; long scarlet and tipped with white. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Winter Varieties

Long Black Spanish—Large radish, with black skin and white firm flesh, grows six to eight inches long. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 90c.

Round Black Spanish—Like the above, except that it is round shape. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 90c.

Long White Spanish—Like the Long Black Spanish, only different in color. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 90c.

Round White Spanish—Like the Round Black, but white, like all the Spanish radishes, which are fine keepers, mild flavor and brittle. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 90c.

China Rose, or Scarlet China—Bright rose-colored, stump-rooted, of excellent quality. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 90c.

White Chinese, or New Celestial—Large stump-rooted, white skin and flesh, mild in flavor, brittle and never woody. For late planting and a splendid keeper. Market gardeners will find this a good variety that sells readily. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. 90c.

Sakurajima (Mammoth Japan)—The largest sort in cultivation. Sow early in rich soil. In Japan it grows as much as twenty-one inches long and forty-three inches in circumference. Thin well to allow of proper development. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c.

Merima—Also a Japanese radish. Similar to Sakurajima, but round instead of long. Very tender and sweet. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c.

HORSE RADISH (German—Meerrettig; French—Raifort) —
SEE PAGE 5.

We Pay Postage on Pkts., Ozs., $\frac{1}{4}$ Lbs. and 1 Lbs.

Rhubarb

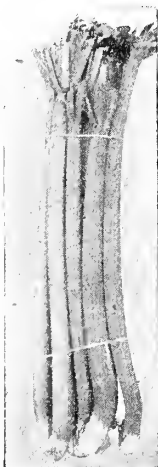
(German—Rhababer. French—Rhubarbe)

Culture—Sow seed in a cold-frame, in a fine, rich, sandy loam, about the first of March, in drills four inches apart. Keep the frames covered during nights and cold days, so that the soil will not freeze, and in six or eight weeks the plants will be large enough to set in the open ground. Transplant to a rich soil, and set in rows twelve inches apart and twelve inches in the row. The following Spring transplant to a permanent location, setting four or five feet apart each way. In good soil Rhubarb is ready to use the second year from seed.

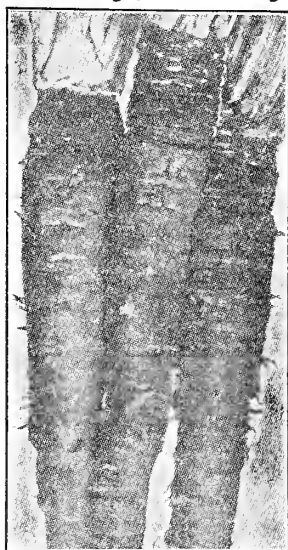
If our two-year-old roots are used, a crop may be had the same season, which is much better than sowing seed where only a few plants for family use are needed. In the Fall the bed should have a thick dressing of coarse manure, to be spaded under in Spring.

Myatts Victoria—The leading variety. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.50.

ROOTS—SEE PAGE 5.



Salsify, or Oyster Plant

Mammoth Sandwich
Island Salsify

(German—Haferwurz. French—Selsif)

One ounce to seventy feet of drill; about eight pounds to the acre.

Culture—Sow as early as the ground can be worked in the Spring, in drills twelve inches apart, one inch deep, and thin out to six inches in the row. Keep them free from weeds. Cultivate the same as for Carrots and Parsnips. A part of the crop may be left in the ground till Spring, when it will be found fresh and plump. The roots are cut into pieces one-half inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like Parsnips, and have a sweet and agreeable flavor like that of the oyster.

Mammoth Sandwich Island—This is an improved type and the largest and most profitable salsify now in cultivation. It is white in color, and a satisfactory sort in every way; invaluable to market gardeners and truckers.

Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.

M.-S. Swiss Chard, Delmonico

This is the finest swiss chard that grows, making large handsome, finely crimped light green leaves, which are tender and have a delicious flavor, the ribs are edible and not unlike asparagus. Absolutely the best for home gardens. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

Swiss Chard, or Spinach Beet, Giant Lucullus—The leaves of Swiss Chard are used as greens, cooked in the same manner as spinach, and the large ribs are prepared like asparagus, in which manner they are delicious. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.



M.-S. Swiss Chard, Delmonico.

Vegetable Marrow

Italian (Cocozelle di Napoli)—Grows about 20 inches long, with a diameter of 3 or 4 inches. Skin smooth, dark green, marbled yellow or pale green.

Cosazza—Similar to the above. Great favorite with the Italians. Price of both Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Sorrel, or Sourgrass

(German—Sauerampfer. French—Oseille)

Culture—Sow in Spring in drills 18 inches apart, in a rich soil and keep the flower-stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. To be cut and cooked precisely like Spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds Spinach. It is also used for soups. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

Large French—Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Squash

(German—Gemuse Kurbis. French—Courge)

Bush sorts, one ounce for fifty hills; five to six pounds to acre; running varieties three to four pounds in hills for an acre.

Culture—Squashes should be planted in a warm, light, rich soil after the weather has become settled and warm, about the middle of May or June. Plant in well-manured hills, in the same manner as Cucumbers and Melons—the Bush Varieties three to four feet apart each way, and the running kinds from six to eight feet. Eight to ten seeds should be sown in each hill, thinning out after they have attained their rough leaves and danger from bugs is over, leaving three to four of the strongest plants per hill.



M.-S. Perfection Bush Squash.

M.-S. PERFECTION BUSH SQUASH—This is the finest scalloped white squash that grows, obtaining large size but stays tender as butter for a long time. The best for home gardens and market gardeners. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.25.

Early Mammoth White Bush Squash—An excellent strain. Early prolific, much larger than the old White Bush. Splendid for market, best for shippers. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

Summer Crookneck, Bush Variety—About one foot long, with crooked neck, bright yellow, warty, shell hard when ripe. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

Hubbard—An excellent keeper; splendid quality. Vines of strong running growth. Large olive-shaped fruits with dark-green skin; very rich flesh. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Golden Hubbard—Like the above, but of a beautiful orange-red color, except for a bit of olive-green on blossom end. Flesh deep orange, dry, fine grained and richly flavored. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Boston Marrow—This is a large-fruited, hard-shell sort, highly esteemed for Winter use, having bright orange skin and deep orange flesh. Very fine, extensively used for pumpkin pies. Fine, strong running growth. Very productive, oval shape. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.



Summer Crookneck Squash.

Blue Hubbard—A new variety and a selection from the original Hubbard. Fruit gray blue color; grows large; remarkably good keeper, and excellent quality. Pkt. 10c; 20c per oz.; $\frac{1}{4}$ lb. 50c; \$1.50 per lb.

Turnip

(German—Rube. French—Navet)

We Pay Postage on Pkts., Ozs., $\frac{1}{4}$ Lbs. and 1 Lbs.

One packet for 100 feet; two pounds to the acre.

Culture—For early use sow as soon as the ground opens in Spring, drills from 12 to 15 inches apart; thin out to six or nine inches in the rows. For a succession, continue to sow in July and August. The Ruta Bagas are grown for feeding stock, and are also excellent for the table. Take up the roots in November or before severe frosts; cut off the tops within an inch of the crown, store in a cool cellar or pit, or pile up in a conical form, out of doors, in dry ground; cover carefully with long straw and finish by earthing up, covering them with about 12 or 15 inches of earth, leaving a trench around the heap to carry off the water. Put away in this manner they will be found in good condition in the Spring.

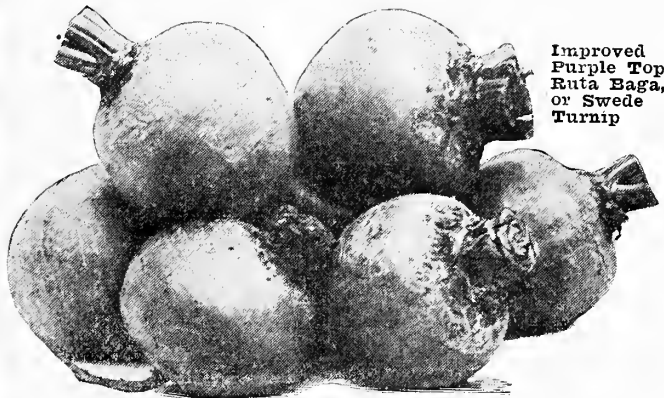


M.-S. Early Champion Turnip.

M.-S. EARLY CHAMPION TURNIP—This is the best Turnip for home gardens and market gardeners to plant. It is large perfect globe shape, white as snow with a beautiful distinct red shoulder (tops are not over large), stays tender and sweet a long time. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Red, or Purple Top White Globe—A variety of decided merit, and the most popular in our markets. Globular-shape, very handsome and of superior quality. Is a heavy producer, early, and of rapid growth, and an excellent keeper. Besides being a first-class table turnip, it is also very good for stock. Pkt. 10c; 1 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Extra Early Purple Top Strap Leaved—Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.



Improved
Purple Top
Ruta Baga,
or Swede
Turnip

Improved Purple Top Ruta Baga, or Swede—The leading variety of Ruta Baga and is grown principally for stock, although it is very often used for table. Hardy, productive, flesh yellow, solid, sweet, fine grained and of good flavor. Ruta Bagas should be sown about one month earlier than other turnips. Pkt. 10c; 1 oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Purple Top Yellow Aberdeen—Medium size, round, pale-yellow, tender and sugary. Is hardy and productive and keeps well. Closely approaches Ruta Baga in hardness and firmness of texture. This is an old esteemed variety for stock. Pkt. 10c; 1 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

White Egg—A quick-growing, egg-shaped variety. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Yellow, or Amber Globe—Excellent for table use or stock. Fine quality, keeps well. Pkt. 10c; 1 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Pomeranian White Globe—Free growing and rough-leaved. Pure white. Useful for table and stock. Large and productive. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Cow Horn—A long, white, carrot-shaped turnip, which grows half out of the ground. Mostly used for feeding stock, but makes a fine table sort. Has lately been brought to prominence for green manuring in connection with rape. Pkt. 10c; 1 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

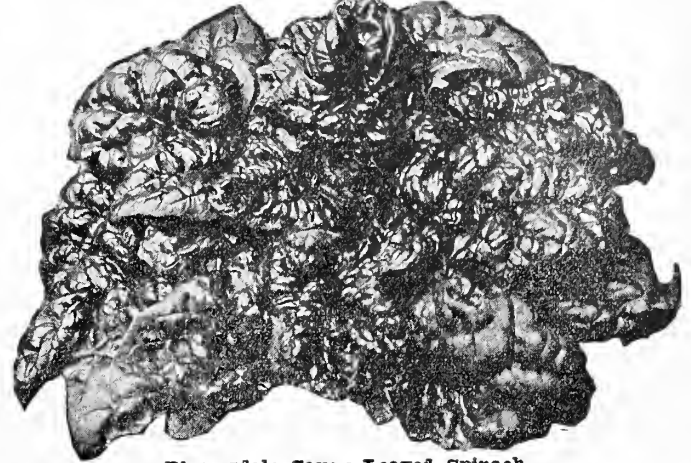
Seven Top—Grown exclusively for its tops, and when properly prepared and cooked, make a fine dish. Withstands our winter without any protection. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Tennoji Turnip—A Japanese variety of exceptional merit. Flat, snow white and of immense size, but very fine flavor. Seed very scarce. Pkt. 10c; oz. 25c.

Spinach

(German—Spinat. French—Epinard)

One packet will sow fifty feet of drill; 15 to 20 lbs. to an acre. Prices on larger quantities furnished on application.



Bloomsdale Savoy Leaved Spinach.

Culture—Sow in early Spring, in drills a foot apart, every two weeks for a succession, and as it grows, thin out for use. For Fall use, sow in August, and for Winter crop in September. Cover that which is left over winter with straw or leaves after the weather becomes quite cold. Keep clear of weeds. Sow the seeds of New Zealand in hills two feet apart each way, three or four seeds in a hill.

M.-S. Re-selected Bloomsdale Savoy Leaved—The popular Fall Spinach so largely grown for market. Grows upright, the leaves being crumpled, dark green and very thick. Pkt. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 35c; 5 lbs. \$1.25; 100 lbs. \$16.00.

Virginia Blight Resisting Bloomsdale Savoy—This strain is not as heavily crumpled and of lighter color than the Re-selected Savoy. However in places where plants grown from Re-selected Savoy Seed show blight, this strain has proven to give excellent results, being absolutely free from blight. Pkt. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 35c; 5 lbs. \$1.50; 100 lbs. \$20.00.

New Long Standing Bloomsdale—Has all the good points of the above, in addition, it will withstand the summer heat and goes to seed very slow. Pkt. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 35c; 5 lbs. \$1.50; 100 lbs. \$20.00.

Juliana—Very long standing, heat resisting, handsome dark-green. Very thick and curled leaves. Absolutely without male plants which is the cause of the long-standing quality. Pkt. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 35c; 5 lbs. \$1.50; 100 lbs. \$20.00.

New Zealand—Of delightful flavor and practically everbearing. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Tobacco Seed

Culture—A very clean piece of land is best for the tobacco plant beds, hence it is customary to burn a piece of land in the woods for plant beds. This destroys grass, weeds and insects, adds fertility through the action of the wood ashes, and leaves the ground in good order. The seeds are sown about February and protected by plant bed cloth to keep off tobacco flies. When large enough and weather is settled (about June) set the plants out in highly manured or fertilizer soil in $3\frac{1}{2}$ -foot rows, 3 feet between the plants. Constant care must be given, cultivating, suckering, worming, etc. Methods of curing differ according to the variety and color, whether to be sun or flue-cured, etc.

Connecticut Seed Leaf.

Improved White Burley—A heavy yielder of rich, bright leaf, large, long and broad. Should be grown only on limestone soil.

Choice Havana—An Americanized Havana, used for cigar purposes, although sometimes used as a manufacturing sort. Has a very large, long, fine quality leaf; very early, making two crops a season in some sections. Best adapted to chocolate or rich gray soils.

Above varieties—Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.50.

We Pay Postage on Pkts., Ozs., $\frac{1}{4}$ Lbs. and 1 Lbs.

M.-S. "SURE CROPPING" TOMATOES

(German—Liebesapfel. French—Tomate)

One ounce for 1, 500 plants; quarter pound (to transplant)
an acre.

Culture—This delicious vegetable is one of the most important of all garden products. The seed should be sown in a hot-bed about the first week in March or latter part of February, in drills five inches apart, and half an inch deep. When the plants are about two inches high they should be set into small pots, allowing a single plant to a pot. About the first of May the plants may be set out in the open ground in hills three feet or four feet apart each way. (Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot, and placing it in a sunny window of the room or kitchen.) Cultivate thoroughly as long as the vines will permit, but the last two or three workings of the soil should be very shallow (surface cultivation), or the crop may be badly injured, especially if the cultivator is run too near the young plants.

Marglobe

Tested repeatedly and approved by the United States Department of Agriculture. Is sure to be planted extensively before long. This is what the Department says about it. "Very productive, second early variety. Fruits large, smooth, meaty, red, globular. Highly resistant to wilt and somewhat resistant to blights. Pkts. 15c and 25c; 1 oz. 50c; $\frac{1}{4}$ lb. \$1.75; lb. 6.00.

A great many of our customers claim the "Marglobe" the best tomato they ever planted.

EARLY VARIETIES M.-S. Early Wonder

This is the sixth year that we are offering this wonderful extra early Tomato, after several years of careful selection. The fruits are large for so early a variety, round or slightly flattened, deep scarlet red color, smooth, free from cracks and of fine quality. It produces ripe fruit as early as Earliana and continues to yield marketable fruit a longer period than the other first early varieties. The vines are vigorous and very productive. We consider this a valuable addition to the list of early tomatoes for the market or home garden. Pkts. 15c and 25c; oz. 60c; $\frac{1}{4}$ lb. \$2.00; lb. \$7.50.

Extra Early I. K. L.—Combines extreme earliness, immense size and prolificness. Fruit red, ripening mostly all at one time. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 90c; lb. \$3.00.

Sparks Earliana—Particularly desirable for shipping and for earliest market. The fruits are smooth, round, of red color, making desirable and salable fruits. Price same as above.

Chalks Jewel—A tomato of fine quality. Second early, round, smooth red fruit of excellent flavor. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 90c; lb. \$3.00.

M.-S. Incomparable—Another fine second early tomato, round smooth red fruit. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25; 1 lb. \$4.00.

M.-S. BIG CHIEF—A grand new main crop tomato of the very highest quality. It produces an abundance of large handsome red fruit, which ripens clean to the stem and will bear heavily from the early part of July until frost. It is a very shy seeder. The meat is deliciously juicy and free from acid. It is rare to see an ill-shaped fruit on a M.-S. BIG CHIEF VINE. We have tested this valuable new variety very carefully and have always been more than satisfied with the results. Order quick, as the seed is scarce, grown exclusively by us. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.50; 1 lb. \$5.00.

Wisdom—This tomato of recent introduction has become very popular. It is a great yielder of large handsome red fruit, which ripens clean to the stem. It makes very strong vines and should be given plenty of room. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.50; 1 lb. \$5.00.

Kellys Red—This variety has obtained immense popularity in the last few years. It was originated in Anne Arundel County. Its solidity and carrying qualities are remarkable. Its color is a desirable red. Its

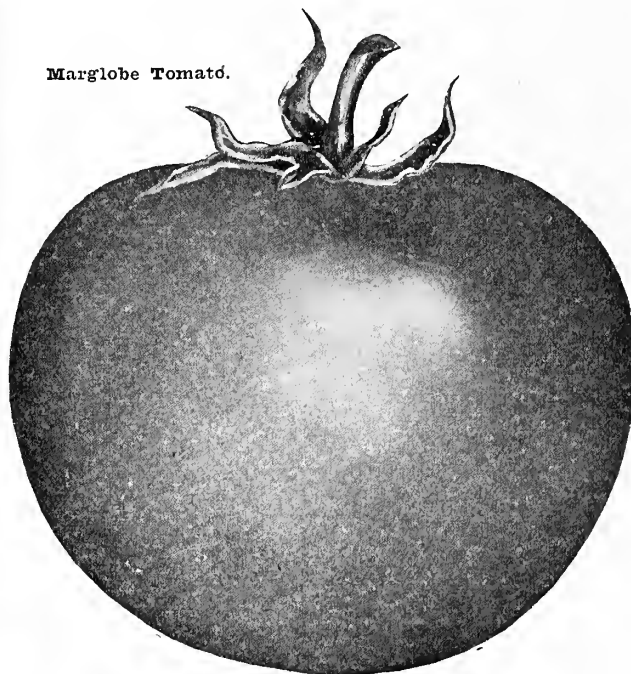
shape perfectly smooth and thicker from stem to blossom than most varieties, making it very handsome and salable. Nobody finds any fault with this variety, but all speak in the highest terms of its beautiful color, its wonderful yielding qualities, its unequalled firmness, or some other of its good points. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

Greater Baltimore—General crop tomato of sterling merits; large, smooth, beautiful red skin fruits, which are produced in great abundance until frost kills the vine. Price same as above.

B. B. (Brinton's Best)—A very fine late crop tomato, which is similar to the New Stone. Keeps well after being picked. A vigorous grower and quite popular. Price same as above.

M.-S. IMPROVED NEW STONE—This variety is one of the very best tomatoes grown. For productiveness, shipping and canning qualities it is excelled by none. Bright scarlet, fine flavor, very smooth and round. We recommend it as a thoroughly reliable main crop tomato. Price same as above.

Marglobe Tomato.



Bonnie Best—The finest of the second early tomatoes. About a week later than the Earliana, but far superior in quality. Fine red color, fine quality, hardy and productive. Excellent flavor. A most profitable variety for early and main crop. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50.

John Baer—Is a good, all around second early tomato, the fruit being smooth, ripening clear to the stem and of a good rich red color. Price same as above.

June Pink—For gardeners who have a market for a nearly purplish pink fruit (which is produced in clusters). This is the variety to plant. True strain seed. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25; lb. \$4.00.

Gentlemen—It gives me a great pleasure to say that the Juliana spinach seed stood more hot dry weather than any spinach I have sown in my life.

Yours truly,

HERMAN LEMOYNE.

Mr. Milwee, of Chase, Maryland, says: "Your Bonnie Best Tomato is the finest ever. It has given me the largest crop of true to name tomatoes I have ever had. Farmers stop and buy tomatoes to save seed from."

Matchless—Large, solid, smooth, handsome, deep red color, a heavy cropper and popular with canners. Price same as above.

Red Rock—A tomato for main crop. Producing enormous quantities of fine, large, red tomatoes, which carry well, making it a good shipper. Price same as above.

Ponderosa—Remarkably large and of fine quality. Very solid. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c; $\frac{1}{4}$ lb. \$1.50; 1 lb. \$6.00.

Golden Queen—Bright-yellow, large and solid. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c; $\frac{1}{4}$ lb. \$1.50.

Yellow Pear and Yellow Plum—Two small-fruited kinds for preserves. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c; $\frac{1}{4}$ lb. \$1.25.

Red Pear—Pear-shaped red. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c.

Peach—Very small, pink fruit, with slight peach bloom on skin. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c.

Husk or Strawberry—Used for preserves. Pkt. 10c; $\frac{1}{2}$ oz. 30c; 1 oz. 50c.

Red Cherry—Small, grows in clusters, also used for preserving. Price same as above.

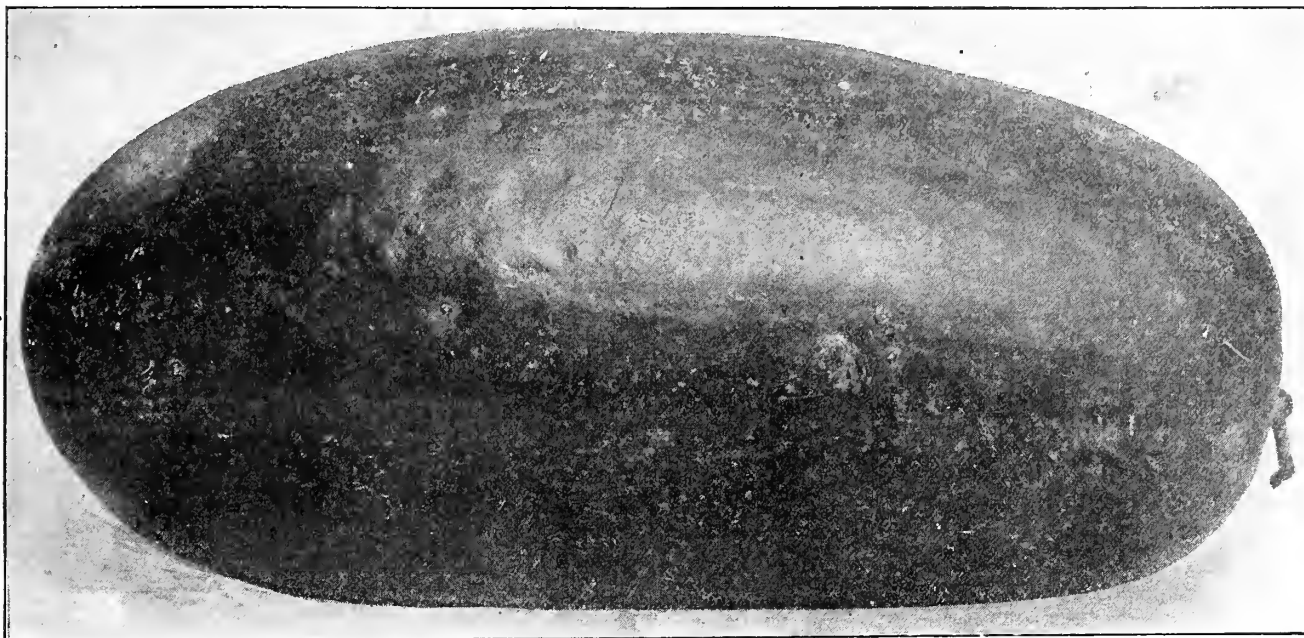
TOMATO PLANTS, SEE PAGE 5.

We Pay Postage on Pkts., Ozs., $\frac{1}{4}$ Lbs. and 1 Lbs.

(German—Wasser Melone.
French—Melon d'eau)

WATERMELON

One ounce for thirty hills; four to five
pounds for an acre.



M.-S. Excell Watermelon.

Culture—Watermelons should be planted in hills eight to ten feet apart. Otherwise for culture, see directions for cantaloupes. Do not grow them near pumpkins or gourds.

M.-S. SWEET HEART WATERMELON—The sweetest melon that grows. The best for home use and nearby markets. The dark red meat which extends almost to the rind, is of the most delicious flavor. Vines are strong and vigorous, the melons are medium to large in size. The skin is a very rich, dark green color. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 85c.

IRISH GREY—The rind is exceptionally hard and firm. The flesh is bright red, sweet, firm but free from any hard centers or stringiness. A very desirable variety for those who prefer a long, light colored shipping melon. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 85c.

M.-S. EXCEL—A great improvement over Tom Watson. Long green. Excellent for market gardeners and shippers. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 85c.

TOM WATSON—Our strain of this wonderful shipping melon has been very much improved in the last few years. It commenced to show white, hard centers, but through careful selecting our strain will produce nothing but melons which are red from the rind to the center, not showing any white streaks. The rind is very tough, making it an excellent melon for shipping long distances. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 85c.

McIVER's Wonderful Sugar—Resembles Old Rattlesnake, superior in quality. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 85c.

Florida Favorite—Large, long, striped, excellent for family garden. Rind thin, but firm; flesh very deep red and very sweet. Splendid shipper. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 85c.

Gray Monarch, or Long White Icing—Very large, long, crimson flesh. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 85c.

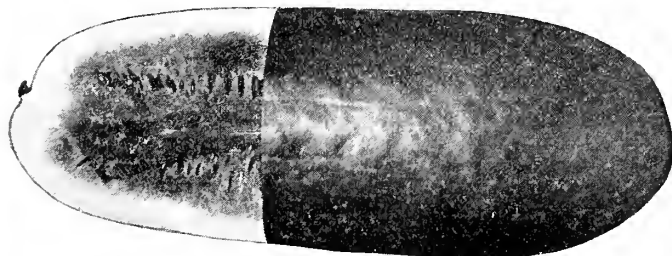
Indian Chief—Excellent shipper. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

Improved Georgia Rattlesnake—The old Rattlesnake has always been regarded as a fine melon. Our strain is the result of careful selection by an experienced melon grower through many years of careful and watchful work. The rind is thin and tough, the flesh deep scarlet, the flavor unsurpassed by any other sort. We strongly recommend it both for shipping and home use. Our improved stock is very much superior to the ordinary Georgia Rattlesnake. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 85c.

IMPROVED KLECKLEY SWEET—Some years ago our grower set out to perfect a new type of this favorite melon, for the reason that the original type began to show some deterioration, and the color of the seed was showing decidedly too much brown smear, melons were not all growing uniform in size, and with the feeling that it is a grower's duty to keep the type of all good melons up to standard he carefully selected and bred this type until we now have a much better melon than the old type Kleckley Sweet; this improved type grows uniformly large, retaining all of the fine qualities as a table melon, with an important added feature of having much harder rind, which assures its satisfactory carrying quality, while the old type will not stand even short distance shipping in carloads. The seed are all creamy white, with no trace of brown, somewhat larger than the old type seed, the color of the rind remain the same—dark bluish green—and grows to much larger size than the old type. Fine for the home garden. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

GOLDEN HEART WATERMELON—A decided novelty in Watermelons. Vigorous vines producing an abundance of light green melons, which have delicious yellow meat almost to the rind. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.

CITRON—Grows uniformly round and smooth, striped and marbled with light green. Flesh white and solid; seeds red. It should be borne in mind that this variety is not used for eating in the raw state, but for preserves, pickles, etc. Pkt. 10c; oz. 15c; 1 lb. 75c.



Improved Kleckley Sweet.



Tom Watson Watermelon.

M.S. RELIABLE GRASS, FORAGE AND FARM SEEDS

If Grasses Are Wanted by Parcel Post, Allow for Postage. Prices on Grasses Subject to Market Changes.
Write for Samples and Prices in Larger Quantities.

Blue Grass, Fancy Kentucky—(Poa Pratensis)—Our stock of this is extra fine, thoroughly re-cleaned; sow 3 to 5 bushels per acre on lawn, 2½ to 3 bushels on pasture fields (bu. 14 lbs.). Per lb. 50c. Larger quantity on application.

Bermuda Grass—Adapted for seashores, very hardy. 75c lb.

Creeping Bent (Agrostis Stolonifera)—Adapted admirably for lawns, also putting greens, tennis courts, etc.; sow 4

bu. per acre (20 lbs. per bu.). Price, lb. \$1.00.

Crested Dogtail (Cynosurus Cristatus). Excellent as a pasture and lawn grass. Sow 3½ to 4 bu. per acre (21 lbs. per bu.). Price, lb. 65c.

English, or Perennial Rye Grass (Lolium Perenne). This makes the quickest returns in growth of any grass; is deep rooted and is readily established. Sow 2½ bushels per acre (20 lbs. per bu.). 25c per lb.

Hard Fescue (Festuca Duriuscula)—A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 3 bu. per acre (12 lbs. per bu.). Price, lb. 50c.

Herd, or Red Top Fancy Re-cleaned—(Agrostis Vulgaris). This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 40 lbs. per acre (32 lbs. per bu.). Price lb. 40c.

Meadow Fescue (Festuca Pratensis)—Sow 40 to 50 lbs. per acre (22 lbs. per bu.). Price, lb. 40c.

Italian Rye (Lolium Italicum)—Very desirable for pasture; being an annual, it comes to maturity the first season; the ideal lawn seed for Southern lawns in winter. Sow 50 lbs. per acre (18 lbs. per bu.). 25c per lb.

Orchard Grass—(Dactylis Glomerata)—For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 40 lbs. per acre (14 lbs. to bu.). Price, 30c per lb.

Red, or Creeping Fescue (Festuca Rubra)—Very valuable for sowing on sandy soil and in shaded places and putting greens, tennis courts, etc. Price, 50c lb.

Woods Meadow Grass (Poa Trivialis)—For shady situations, in parks and densely shaded lawns, this grass has no superior. It is related to Kentucky Blue Grass and produces a firm and attractive turf. 1 lb. 75c.

Sudan Grass—A tall annual grass, growing 6 to 8 feet high when drilled, but when sown broadcast thickly does not grow quite so tall. Every farmer and stock raiser should learn about this wonderful grass, as it is eaten by all kinds of stock, and will produce more hay to the acre than any grass that has ever been introduced. Allows 3 to 4 cuttings, and produces 2 to 5 tons per acre, depending upon the soil. Can either be drilled at the rate of 2 to 3 pounds per acre in 3-foot rows or broadcast at the rate of 10 to 20 pounds per acre. Plant from March to August. 25c per lb. Larger quantities, price on application.

Timothy (Phleum Pratense)—Sow one-half bu. per acre alone, with clover 1 peck (45 lbs. per bu.). 15c per lb. Price varies constantly; ask for quotations in larger quantities.

Broom Corn (Sorghum vulgare)—Succeeds in a good, deep soil, fresh but not damp, very sensitive to cold. Long-brush Evergreen, which is made into Brooms. (Bu. 50 lbs.). 20c lb.

Kaffir Corn—Of great drought-resisting quality. Can be sown as late as July; 10 lbs. to the acre in drills (bu. 56 lbs.). 10c lb.

Cow Peas (Vigna Catjang)—Valuable in this latitude as a fodder plant; their chief value, however, is as a green crop to plow under. The seed should not be sown till the ground has become warm. Sow 2 bu. per acre broadcast; 1 bu. in drills. We offer Black

Innoculate all Clovers, Cow Peas, Vetch and Soja Beans with

**STIMUGERM
or MULFORD'S
CULTURE**

For particulars
see page 28.



M.S. Permanent Pasture Mixture makes a nutritious food for cattle.

M.S. Permanent Pasture Mixture, either for Low or Up Lands. It is made up of the grasses best calculated to afford an abundant and nutritious food supply for stock. The formulas are based upon successful experience. For all ordinary permanent pasturage, they will be found entirely satisfactory. When ordering state if for a low or up land, price of either lb. 35c; 10 lbs. or over at 30c; \$3.40 per bushel of 30 lbs.

Rhode Island Bent—For sowing at seashore resorts, on putting greens, tennis courts, etc. (14 lbs. per bu.). Price lb. \$1.50.

Japanese Buckwheat—In the locality of Baltimore this is sown anywhere from June 1st to July 15th: one bushel of 48 lbs. broadcast to the acre. 15c per qt.; pk. 75c.

Soja Bean (Glycine hispida)—Mammoth Yellow, Brown and Black, Pekin, Sable and Wilson Blacks—All thrive well in our climate. Valuable for the South. Does not make good hay, but is good for ensilage or green fodder. Sow 1½ bu. per acre alone, or ½ bu. soja beans with 1 bu. cow peas. Yields as high as 20 tons of green feed per acre. 10c per lb; quantity price on application.

Clover Seeds

Write for Samples and Prices in Larger Quantities.
Prices Subject to Market Fluctuation.

Alfalfa, or Lucerne (Medicago sativa)—Requires deep, rich, well-drained soil. Roots very deeply, the tap-root descending often to a depth of 10 or 15 feet in loose soil. It is, consequently, capable of resisting great droughts. It should be sown alone (about the same time as oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 pounds to the acre. It is also successfully sown as late as August and up to the middle of September. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial, and several crops may be cut every year. Height, one to three feet. We handle home as well as foreign grown alfalfa. 30c per lb. Grimm Alfalfa, certified, 50c per lb. Large quantity price on application.

Alsike, or Hybrid Clover (Trifolium hybridum)—A perennial, one to three feet high; grows well in our locality and can withstand severe cold. A good honey plant for bees. Fifteen lbs. to the acre. Lb. 35c.

Red Clover (Trifolium pratense)—One of the most valuable farm crops for pasture, hay, or for turning under for green manure. It requires a deep, rich soil and yields two hay crops in the season. Sow at the rate of 15 pounds to the acre. Lb. 35c.

Mammoth Red, or Sapling Clover—Grows larger and lasts longer than the common red clover; valuable for plowing under. Ten pounds to the acre. Lb. 40c.

Crimson, or German Clover (Trifolium incarnatum)—Erect annual, one to two feet high, with bright-scarlet flowers. It is largely grown for improving the soil by turning under. It is a valuable crop for pasture or green manure. For hay it should be cut when in full bloom. Sow 20 pounds to the acre. Lb. 25c.

White Sweet Clover (Melilotus Alba or Bokhara)—Valuable sort for soiling and for ensilage and bees. Grows from 3 to 5 feet high; sown in rich soil; may be cut three times; lasts for years if cut before flowering. Lb. 25c.

White Clover (Trifolium repens)—It makes an excellent turf that stands constant trampling. It is of dwarf habit, spreads rapidly and is very hardy. It is valuable in lawns and permanent pastures, being sweet and nutritious. Sow in Spring. In mixtures, one or two pounds; if alone eight or ten pounds to the acre. ¼ lb. 15c; ½ lb. 30c; 1 lb. 50c.



Soja Beans.



erous. Sow 40 to 50 lbs. broadcast to the acre (bu. 50 lbs.). 10c per lb.

M.-S. SELECTED FORAGE AND FARM SEEDS (Continued)
Samples and Bushel Prices on Request.

Peas (Canadian Field)—Valuable for cattle feeding, especially for milch cows. It also makes fine ensilage. It is sown broadcast in the spring and harrowed in. If sown with oats, about 1½ bushels to the acre; in drills, two bushels to the acre (bu. 60 lbs.). **Lb. 10c.**

Rape—Dwarf Essex English (Brassica napus)—Is excellent for sheep and hog pasture, and chicken yards, also for soiling. It may be sown in May, and will be ready for pasturing in July and August. Or it may be sown in June or July, and yet furnish a large amount of pasture or fodder. In drills, sow five lbs. to the acre; sown broadcast, ten pounds to the acre. **Lb. 15c.**



Cow Peas.

Sorghum, or Sugar Cane

Ideal cattle food. Sow 1 or 2 bu. broadcast; 25 lbs. to the acre in drills. (Bu. 50 lbs.)

Early Amber—Grows 10 to 13 feet high. Fine for cows, either green or cured. **Lb. 10c.**

Early Orange—Ripens about 10 days after Early Amber, and is said to produce a larger crop. **Lb. 10c.**

Sunflower—Large Russian—**Lb. 15c.**

Vetch, Spring and Winter

Sand, Winter, or Hairy Vetch (Vicia villosa)—Thrives on poor, arid, sandy soils. It may be sown either in Fall or in Spring, mixed with rye, for a support. Grows three to four feet high and can be cut as soon as the bloom appears, and again for the seed. Perfectly hardy. Sow 50 pounds to the acre. Price variable. **Lb. 25c.**

Spring Vetch—Same as above, but not hardy; sow in Spring only. **Lb. 15c.**

Winter Barley

48 lbs. per bu. 96 to 110 lbs. per acre.

One of the most productive Fall seeded grain crops grown. Being planted more extensively each year. Provides an abundance of highly nutritious forage, hogs, sheep, cattle, etc., being especially fond of it. Grown in this section largely for grain. Yields 25 to 50 bushels per acre. Invariably brings good market price. Sow 1 to 1½ bushels per acre broadcast. **Lb. 10c.**



Sorghum

Mulford Culture and Stmugerm for All Kinds of Clover—Means bigger crops, healthier growth, early and more continuous crops. **Special reduced prices this season.** It will pay you to use this when you plant peas and beans. For particulars see page 28.

Oats

Appler, Virginia Gray and other best varieties for Fall and Spring sowing. 32 lbs. per bu. Sow 64 to 90 lbs. per acre. **Lb. 10c.**

Samples and Bushel Prices on Grain, Clover and Grass Seeds on Request.

Seed Rye

The most popular Fall seeded forage and fertilizing crop grown. Furnishes excellent green food for poultry, hogs and live stock of all kinds. Keeps stock healthy and saves expensive commercial dry feeds. Hogs on rye pasture will make the same gains with half the amount of grain feed. Sow 1 to 1½ bu. per acre broadcast.

Rosen and other varieties. Sow 1½ bu. to the acre from July to November. 56 lbs. per bu. Sow 85 to 100 lbs. per acre. **Lb. 10c.**

Seed Wheat

Bearded and Beardless varieties. 60 lbs. per bu. Sow 90 to 100 lbs. per acre. **Lb. 10c.**

Field Corn

8 quarts to the acre.
Prices Subject to Change
Without Notice.

Prices on Field Corn do not include postage.

Collier's Success—The ears are of immense size, 12 to 14 inches long, 8 to 10 inches in circumference, carrying 20 to 24 uniform rows of large yellow kernels, well developed over tip and butt. It is a luxuriant grower, about 12 to 15 feet high. Matures in 100 days. Makes a splendid ensilage corn, making two ears on many stalks. **Qt. 25c; ¼ pk. 40c; peck \$1.00; bu. \$3.50.**

Yellow Leaming—We have a very choice strain of this early, drought-resisting variety. It makes a fair-size ear, with deep, well-shaped grains, and will mature in 100 days. **Qt. 25c; ¼ pk. 40c; pk. \$1.00; bu. \$3.50.**

Golden Beauty—Large, broad-grained, yellow corn. Ears are well filled out. A heavy yielder. **Qt. 25c; ¼ pk. 40c; pk. \$1.00; bu. \$3.50.**

Maryland Yellow Dent—Large ear; moderate size stalk; withstands drought well. **Qt. 25c; ¼ pk. 40c; pk. \$1.00; bu. \$3.50.**

Boone County White—Recommended by the Agricultural Experimental Stations. A fine, large deep-grained variety, originated by one of the best corn breeders. **Qt. 25c; ¼ pk. 40c; peck \$1.00; bu. \$3.50.**

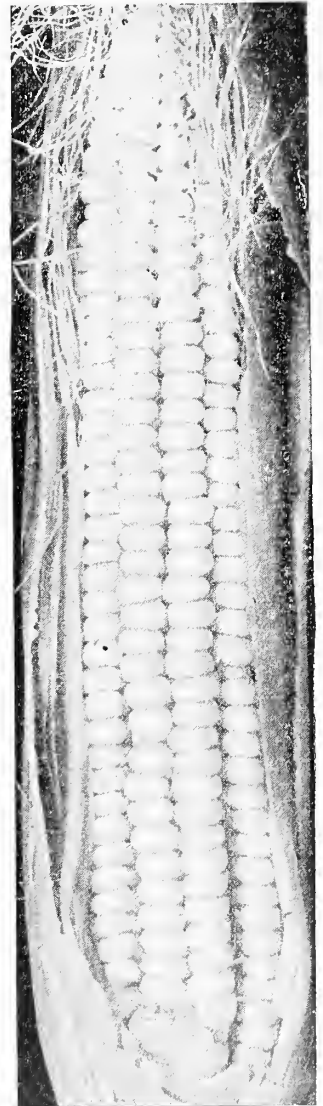
Collier's Excelsior—White corn, especially adapted for hominy corn on account of its flintiness. Great producer on poor soil. **Qt. 25c; ¼ pk. 40c; peck \$1.00; bu. \$3.50.**

M. & S. White Ensilage Corn—Very prolific, tall grower. **Qt. 25c; ¼ pk. 40c; peck \$1.25; bu. \$4.50.**

Red Cob 90-Day Corn—A valuable corn for the truck farmer, as it readily sells for sugar corn on account of its similarity, showing long blades on the ears; very delicious when young. **Qt. 35c; ½ pk. 75c; pk. \$1.25; bus. \$4.50.**

WHITE RICE POP CORN—The best pop corn known. Pops large, flaky and white as snow. **Lb. 15c.**

If Field Seeds are wanted by parcel post in first and second zone, include 7c for first lb. and 1c for each lb. over, for instance, for 4 lbs. send 10c.



Boone County
White Corn

Large returns
Small cost

Improve your crops

Improve your soil

No labor expense
Easy to use

Mulford Cultures

FOR LEGUMES

Legume crops, properly inoculated with nitrogen-fixing bacteria, add both humus and nitrogen to the soil and should be included in every crop-rotation program.

Inoculate all your legume crops with **Mulford Culture Concentrates**. Especially recommended because they contain enormous numbers of active, vigorous nitrogen-fixing bacteria, grown from pure, tested strains.

Mulford Culture Concentrates are prepared with the utmost scientific care and skill. Economical. Easy to use. The sealed bottle insures purity.

They offer you the most economical and satisfactory method of adding nitrogen to your soil.

Always specify on your Order what crop you want to inoculate.

FOR SMALL SEEDS

5, 2½, 1 and ½ bushel sizes

{ Alfalfa
{ Burr Clover
{ Sweet Clover
{ Yellow Clover
{ Sainfoin

Lespedeza

{ Crimson Clover
{ Red Clover
{ Alsike Clover
{ Berseem Clover
{ White Clover
{ Mammoth Clover

Beggarweed

5 bushel size.....	\$4.00
2½ bushel size.....	2.25
1 bushel size.....	1.00
½ bushel size.....	.60

Garden size (composite culture for Garden Beans, Garden Peas, Lima Beans and Sweet Peas)..... .25

FOR LARGE SEEDS

10, 5, 2 and 1 bushel sizes

{ Canada
{ Field Peas
{ Garden Peas
{ Sweet Peas
{ Perennial Peas
{ Vetch
{ Lupins

{ Cow Peas
{ Velvet Beans
{ Peanuts

{ Soy Beans
{ Mung Beans
{ Garden Beans
{ Lima Beans

10 bushel size.....	\$4.00
5 bushel size.....	2.25
2 bushel size.....	1.00
1 bushel size.....	.60

FREE DESCRIPTIVE FOLDER SENT UPON REQUEST



SEED INOCULATION

The Best Inoculation
for All Legume Seeds

STIMUGERM

LEGUME INOCULATION

Means Better Crops
Better Soils
Less Fertilizer Expense

FOR ALFALFA, CLOVER, BEANS, PEAS, VETCH, ETC.

STIMUGERM is a culture of bacteria especially selected and bred for maximum vitality and ability to form nodules and take nitrogen from the air. STIMUGERM contains many millions of active, hardy legume bacteria, guaranteed to work. You can obtain STIMUGERM in either **JELLY** or **HUMUS** form.

Seeds of all legumes—clover, alfalfa, sweet clovers, soy beans, vetches, etc.—will yield far better returns if inoculated before planting, and in addition leave in the soil heavy deposits of valuable nitrogen which benefits all succeeding crops. It is crop insurance at very low cost, and the results will repay the small effort involved beyond your expectations.

These scientifically bred cultures are far superior to the natural germs in the soil and therefore inoculation is preferable to uncertain and laborious soil transfer.

PRICES ON CULTURES FOR ALFALFA AND CLOVERS—POSTPAID

¼-bus. size	\$0.35	1 -bus. size	\$1.00
½-bus. size .....	.60	2½-bus. size	2.25

Prices on Culture for Large-Size Seeds, Such as Soy Beans, Vetch, Cowpeas, Peas and Beans.

¼-bus. size	\$0.35	1-bus. size	\$0.60
2-bus. size	\$1.10	5-bus. size	\$2.25

Special Garden Size for Garden Peas, Beans, and Sweet Peas, 25c.



Ventilated can
opens easily with-
out cutting

Be sure to specify quantity and variety of seeds you wish to inoculate; also state whether Stimugerm Jelly or Humus is preferred.

M.-S. High-Grade Flower Seeds

Sow the Seeds either broadcast or in rows, and cover lightly—a good general rule is to cover several times the size of the seeds and press the soil firmly. Small seeds cannot come up if covered too deep. Very fine seeds should be sown on the surface and pressed into the soil. To have the earliest blooms, flowers that stand transplanting should be sown early in boxes indoors. Water with a fine spray, do not let the soil dry out, do not keep the plants saturated, as they may damp off. When three or four leaves have formed transplant one inch apart in boxes, or in the open ground if warm enough.

FLOWERS FOR SPECIAL PURPOSES.

To aid those not familiar with the uses to which flowers may be put, we have classified a few below. Where a variety is suitable for two uses, we have entered it in both lists. Note carefully the heights of the plants so that a proper selection may be made.

FOR BORDERS AND BEDDING.—6 to 12 inches high. Alyssum, Brachycome, Candytuft, Dusty Miller, Centaureas, Daisy, Dianthus, Forget-Me-Not, Lobelia, Mignonette, Pansy, Bedding Petunia, Dwarf Phlox, Iceland Poppy, Pyrethrum, Portulaca, Verbena.

FOR BORDERS AND BEDDING.—1 to 2 feet high. Ageratum, Amaranthus, Antirrhinum or Snapdragon, Aquilegia or Columbine, Asters, Balsam, Begonia, Calendula, Calliopsis, Candytuft, Carnation, Clarkia, Chrysanthemum, Coleus, Centaurea, Cockscomb, Shasta Daisy, Dianthus or Pinks, Escholtzia, Gaillardia, Godetia, Heliotrope, Annual Larkspur, Marigold, Marvel of Peru, Mignonette, Dwarf Nasturtium, Petunia, Phlox, Poppy, Salpiglossis, Salvia, Scabiosa, Stokesia, Stocks, Sweet William, Vinca Wallflower, and Zinnia.

PLANT IN BOXES AND TRANSPLANT.
Ageratum, Aster, Calendula, Canterbury

Bells, Calliopsis, Chrysanthemum, Cockscomb, Cosmos, Godetia, Lobelia, Marigold, Marvel of Peru, Petunia, Pyrethrum, Ricinus, Salpiglossis, Salvia, Sensitive Plant, Stocks, Sweet William and Verbena. These may also be planted where they are to grow.

FOR EDGING AND LOW BORDERS.—Alyssum, Brachycome, Candytuft, Dusty Miller Centaureas, Daisy, Forget-Me-Not, Ice Plant, Lobelia, Portulaca, and Stocks.

FOR CUT FLOWERS.—Antirrhinum or Snapdragon, Alyssum, Aquilegia or Columbine, Aster, Calendula, Calliopsis, Candytuft, Carnation, Flowering Centaureas, Chrysanthemum, Cosmos, Dahlia, Shasta Daisy, Dianthus or Pinks, Escholtzia, Gaillardia, Gypsophila, Heliotrope, Marigold, Mignonette, Nasturtium, Rudbeckia, Salpiglossis, Scabiosa, Stokesia, Stocks, Miniature Sunflower, Sweet Sultan, Sweet William, Sweet Peas, and Zinnia.

The Soil best suited to flowers is a light rich loam, made as fine and smooth as possible. If heavy, mix with sand to lighten and make it friable. Many seeds are very small and require a fine seed-bed.

HALF HARDY and TENDER FLOWERS should not be sown or transplanted outside until the weather is settled and warm.

HARD SHELLED SEEDS like Canna, Moon Vines, Morning Glories should have a hole filed through the outer shell, or soaked in warm water 24 hours before planting.

FOR TALL REDS, GROUPS AND BACK-GROUNDS.—Amaranthus, Calliopsis, Canna, Canterbury Bells, Tall and Plumed Cockscomb, Cosmos, Dahlia, Digitalis, Hollyhock, Kochia or Burning Bush, Perennial Larkspur, African Marigold, Nicotiana, Oriental Poppy, Evening Primrose, Ricinus, Salvia, Salpiglossis, Scabiosa, Stokesia, Sunflower, Woolflower, and Zinnia.

FOR POTS, PORCH BOXES AND BASKETS.—Ageratum, Alyssum, Begonia, Dusty Miller Centaureas, Ice Plant, Lobelia, French Marigold, Tall and Dwarf Nasturtium, Petunia, Smilax, Stocks, Thunbergia, Vinca, and Verbena.

FOR MOUNDS AND ROCKERIES.—Alyssum, Candytuft, Coleus, Heliotrope, Ice Plant, Lobelia, Mimulus, Pansy, Portulaca, Smilax, Thunbergia, and Verbena.

In ordering specify the number and letter like No. 1a or No. 1p.

All Following are Perennials

Perennials. Those which live from year to year, such as Aquilegia, Delphinium, Foxglove, etc. Seed may be sown outdoors from June to September and transplanted late in fall into their permanent quarters, and protected during winter with a light litter of straw or leaves.

1p1. **Anchusia** (Italica Drapmore)—3 to 5 feet high. Blooms May and June, rich gentian blue.

1p2. **Aconitum** (Monks Hood).

1p3. **Alyssum Yellow** (Basket of Gold).

2p1. **Arabis** (Rock Cress). Early spring flowering plants especially adapted for edging and rockery, 6 inches high, pure white blossom, flowers in May.

2p2. **Perennial Aster** (Michaelmas Daisy).

3p. **Antirrhinum** (Snapdragon)—A splendid plant for beds or borders and one of our choicest cut flowers. To have flowers early, sow indoors during February and March. Empress, crimson; Fawn, pink suffused yellow; Golden Queen, yellow; Purity, white; Silver Pink, pink self and all colors mixed. Oz. \$1.00.

4p. **Campanula Media** (Canterbury Bell). These are strictly biennials and require the following cultural directions: Sow from June 1st till September 1st; when strong enough transplant to a distance of six inches apart, after frost has set in protect with leaves and straw. They flower the following June, after which they die. Their colors are so pure that gorgeous effects can be achieved with them. Single blue, pink, white or mixed. Oz. 75c.

5p. **Candytuft Perennial** (Iberis)—White and lilac. ¼ oz. 80c.

6p. **Coreopsis** (Lanceolata Grandiflora)—A hardy perennial bearing a profuse and long-continued succession of large, bold, golden yellow flowers during the whole summer months. Seed sown in March will flower the same season. Height 2½ feet.

7p. **Columbine, or Aquilegia**—A most desirable border plant. It forms large clumps, blooms early, long and abundantly, is useful for cutting and elegant in habit. Sow seed in the open ground in Spring, preferably where the plants are to grow, and thin to about a foot apart. Sow in the Fall for flowering the following season. They thrive well under ordinary garden culture.



Alyssum.



Candytuft.

Few hardy perennials are so easily grown from seed, and will give such unalloyed satisfaction. Pink, yellow, blue, scarlet and yellow and mixed. Oz. 90c.

8p1. **Daisy, English Double** (Bellis Perennials)—Seed should be sown from June 1st till September, transplanted in the Fall, and they will flower the following Spring. If sown in the Spring they will flower in the Autumn; 4 inches; white, pink, crimson and mixed.

8p2. **Shasta Daisy**—Very large; white single flowers on long stems.

9p. **Dianthus, China Pink**—One of the most popular flowers in cultivation; blooms profusely. Great variety of colors. Extra choice. Single mixed, double mixed, pure white, pink and crimson. Oz. 60c.

10p. **Delphinium** (Hardy Perennial Larkspur)—Highly prepossessing plants of stately appearance; of easiest culture, they are readily the most popular of all hardy plants. Their main season of bloom is in June, but if the flowerspike is cut back promptly it will branch and flower all through Fall. **Formosum:** Deep Blue.

Belladonna: Light Blue. Oz. \$3.50. **White,** oz. \$1.25. **Deep Scarlet.** Oz. \$2.00. **M.-S. Giant:** Mixed. \$1.00 per oz.

11p. **Digitalis** (Foxglove) — Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long

spikes of beautiful, tubular-shaped flowers; 4 to 5 feet. Purple, rose, white, spotted mixed and all colors mixed. Oz. \$1.00.

12p1. **Echinops Globe Thistle**—Excellent background for perennial border; blue; 6 ft. 12p2. **Gaillardia**—If sown early will bloom first season. Mixed colors. Oz. 90c.

13p1. **Geum**—Double flowers of intense orange scarlet, 2 feet high, for sunny location.

13p2. **Gypsophila**—Paniculata alba. White. Oz. 75c.

14p. **Hibiscus** (Mallow)—These bear very showy flowers, are easily grown and should find a place in every garden. Mixed colors, white, pink and red; and Golden yellow, Sunset; height, 4 feet.

15p. **Hollyhock**—One of the most popular and desirable of hardy perennials. Excellent for planting among shrubbery or fringing a background for other flowers; 6 to 7 feet.

15p1. **Chater's Improved Double Hollyhock** in separate colors: Rose white, salmon, maroon, yellow, Newport pink, crimson and mixed colors. Oz. \$1.25.

15p2. **Hollyhock Single**—Choice colors mixed. Oz. \$1.25.

16p1. **Helioopsis** (Orange Sunflower) (Pitcheriana)—A handsome hardy perennial; producing an abundance of deep orange yellow flowers the entire Summer; excellent for cutting; 3 to 4 feet.

16p2. **Helianthus** (Dwarf Sunflower)—Early flowering; yellow.

16p3. **Kudzu Vine** (Puevaria Thunbergiana)—The Kudzu vine comes from Japan, the land so productive of curious and ornamental flowers. It is a beautiful climber, remarkable for its great vigor of growth and its handsome purple flowers. The vine is extremely rapid and dense in growth, perfectly hardy, increasing in size and beauty year after year; fine for arbors, verandas, etc.

17p. **Lathyrus Latifolius** (Perennial Sweet Pea)—Showy hardy climber, fine for covering walls and stumps. Free flowering. Pink, red, white, pearl and mixed colors. Oz. 60c.



Samples Branching Asters.

18pl. Lupinus—Mixed colors.

18p2. **Passion Flower** (Southern Beauty). Climber mixed. Called "Passion Flower" on account of a resemblance in the flower to the appearance presented at Calvary.

M.-S. Perfect Pansies

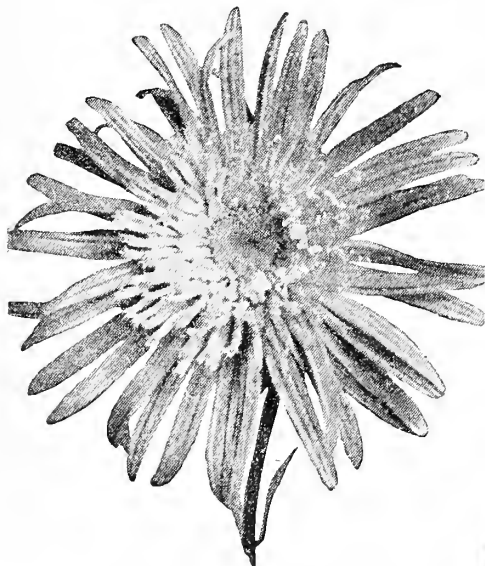
Strictly considered this a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which Pansies can be planted. If started in the house from February till April Pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the Fall; sown in frames during July and August and transplanting later gives us the main crop of flowers the following spring. Pansies thrive best in moist semi-shade situations.

19pl. **Triumph of Giants**—Flowers of great brilliancy and richness of coloring, including many new and rare shades. Pkt. 25c; 5 pkts. \$1.00; oz. \$6.00.

19p2. **Masterpiece** (Frisled Pansy)—Flowers beautifully curled or waved. Exquisite colors. Pkt. 25c; 5 pkts. \$1.00.

20pl. **Steele's Special Greenhouse Mixture**—Equally good for outdoor. Pkt. 25c; 5 pkts. \$1.00; oz. \$6.00.

20p2. **Tufted Pansies or Violas**—While the flowers of the Tufted Pansies are not so large as the regular type, yet they bloom so freely that they are superior to pansies



Sunshine Aster.

where effect is wanted, the colors being particularly clear and distinct; they also bloom for a longer time. Seed sown in April produces flowering plants by June, and from then on until frost they are a sheet of bloom. All colors Mixed and Blue. Oz. \$2.50.

20p3. **M.-S. GIANT EXHIBITION PANSIES**—A blending of our own, containing only the very choicest the specialists in Europe have to offer; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. Per oz. \$3.00.

21p. **M.-S. GIANT PANSIES**—In separate colors.

Mention number and variety wanted when ordering.

Lord Beauchfield—Purple, violet and white.

Snow Queen—Pure white.

Emperor William—Indigo blue black, blotched.

Canary Bird—Pure yellow.

King of the Blacks—Lustrous jet black.

Lord Baltimore—Yellow maroon blotches.

May Queen—White with violet blotches.

All the above: \$2.50 per oz.; 10c pkt.

22pl. **Oriental Poppies**—Enormous flowers of deep, flashing scarlet, entirely hardy anywhere, and mixed; 3 feet.

22p2. **Salmon Queen; Pink Shades Poppy.**

22p3. **Iceland Poppy**—These dwarf, bright yellow Poppies form one of the chief attractions of the garden through several months. They are most beautiful when grown in masses from seed sown every year; 1 foot.

23p. **Primula Veris Mixed** (Cowslip)—Hardy primroses are among the most prized of our Spring blooming plants, 1 to 1½ feet high. Mixed colors.

24pl. **Pyrethrum**—Handsomeness hardy perennial plants for the herbaceous border; flowers showy and excellent for cutting. Double White and Single Mixed.

25p. **Phlox Hardy**—For a gorgeous show these are the most satisfactory of all perennial plants. 2 to 3 feet high in all bright colors; seed sown late in Fall will germinate in the Spring: Mixed colors only. Oz. \$3.00.

26p. **Rudbeckia-Newmani**—One of the finest of autumn-flowering perennials, bearing large flowers. Bright orange-yellow petals surrounding a large black cone.

27p. **Statice** (Sea Lavender)—The statice are becoming more and more popular as gardeners realize the possibilities of these, not only as beautiful garden flowers, but also the keeping qualities, which make them a joy in a winter bouquet of everlasting flowers. We offer four colors: Blue, Rose, White and Yellow. Special to introduce them: 1 pkg. of each, 30c.

28pl. **Stokesia** (Cornflower Aster)—Blooms all Summer. Large attractive flowers, resembling asters; fine for cut flowers; two feet high.

28p2. **Sweet Rocket** (Hesperis)—Excellent for naturalizing among shrubbery or for planting in a permanent border. Fragrant white and purple flowers; 2 to 3 feet. Mixed.

29p. **Sweet William** (Dianthus Barbatus)—This is one of the finest of our hardy garden plants; of easy culture, thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery. Single crimson, single red with white eye, single velvety maroon, single white and choicest double mixed, single mixed; all colors. Oz. 75c.

30pl. **Tritoma**—Pfitzeri. Pkt. 25c.

30p2. **Violet**—Deservedly much in demand because of their profusion of bloom and delicate odor. Purple Queen White and finest mixed.

30p3. **Veronica-Longiflora**—Blue flowers; two feet high, August to October.

31p. **WALLFLOWER**—Favorite sweet-scented flowers of fine colors. Splendid for cutting and useful as Spring bedders.

Early Feltham—Fine brown, dwarf.

Cloth of Gold—Yellow.

Vulcan—Dark blood-red; all colors mixed. State color wanted. Oz. 40c.

Creamy White—Oz. 40c.

Wallflower—All colors mixed. Oz. 40c.

All Flower Seeds 10c Unless Otherwise Specified. Postpaid.

Our flower seeds have a reputation for their superior quality and for the excellent results obtained by sowing them. It is our constant endeavor to supply only such varieties and strains that will give the best of satisfaction.

All Following are Annuals

1a. **Asparagus Plumosis**. 25 seeds 25c; 100, 75c.

2a. **Ageratum** (Floss Flower)—An excellent plant for edging or solid effects. A continuous bloomer. Imperial Dwarf Blue, Imperial Dwarf White or mixed. Oz. 75c.

3a. **Anemone Coronaria**—Extra large double and semi-double flowering hybrids. The seed we are offering is grown from a very select strain of real large double and semi-double flowers and contains a large variety of bright showy colors. Anemones are easily grown from seed, bloom early, when good cut flowers are scarce, and are perfectly hardy. Pkt. 10c.

4a. **Alyssum** (Carpet of Snow)—One of the most popular garden flowers, in bloom all season. Used for edging or in rockeries or vases. Oz. 75c.



Triumph of Giants Pansies.

5a. **Amaranthus**—Decorative Foliage plants. Caudatus (Love Lies Bleeding) drooping crimson racemens. Tri-color Splendens (Joseph's Coat), leaves red, yellow and green.

M.-S. SUPERB ASTERS (a)—To our minds there is no other flower which combines so much beauty with grace and usefulness. In bloom from July till frost. To have early flowers sow indoors from March till May, otherwise sow outdoors. Asters require well-pulverized soil.

6a. **AMERICAN BEAUTY ASTER**—The Queen of All Asters. Very new, far superior to Paeony and Branching varieties. In 1 colors: Azure Fairy, light blue; Carmine, Rose, Purple, Lavender; September Beauty, delicate flesh pink; White Beauty, giant white, and all choice mixed. Oz. \$2.50.



Centaurea Cyanus

6a1. THE SUNSHINE ASTER (Improved Anemone Flowered)—One of the most attractive novelties. The plants are sturdy and strong, throwing up long flower stalks, making wonderful cut flowers. Some of the flowers have twisted petals and some have quilled petals; all have a cushion center of tiny quills of a contrasting color which makes a flower look as if it were covered with snowflakes. The blue flowers are dotted with a paler blue and some in white, and the rose in a lighter shade of pink or white. Their delicate beauty is hard to describe.

Sunshine White. Sunshine Blue.
Sunshine Pink. Sunshine Lilac.
Each of the above, pkt. 25c.
Mixed, all colors, pkt. 25c.

7a. Aster Ostrich Plumed—Very beautiful: White rose, crimson, light blue, dark blue and choice mixed. **Oz. \$2.00.**

8a. Asters, Semple's Branching—In five distinct colors: white, pink, crimson, lavender, dark blue, and all colors mixed. **Oz. \$1.75.**

9a. Aster, Queen of the Market—Very early: White, pink, lavender, scarlet, dark blue and choice mixed. **Oz. \$1.50.**

10a. Balloon Vine (Love in a Puff)—A rapid growing annual climber. Seed pods like miniature balloons.

11a. Balsam (Lady's Slipper)—An old-fashioned flower. With plenty of room they will develop to immense plants with gorgeous flowers.

11a1. Balsam Apple (Momordica)—Handsome climbing annual, bearing ornamental orange colored fruit.

12a. Begonia—Invaluable for bedding and pot culture; about one foot high, beautiful foliage pink, white and crimson mixed.

12a1. Brachycome (Swan River Daisy)—A desirable hardy annual, blooming profusely the greater part of the summer; small blue flowers resembling those of the Cineraria; 9 inches.

13a. Calendula (Pot Marigold)—Free flowering, in bloom from early summer till frost. They may also be successfully grown indoors. Lemon, Queen, Meteor, Orange King. **Oz. 40c.**

Balls Strain—Oz. \$1.50.

14a. Calendula—Mixed.

15a. California Poppy (See Eschscholtzia).

16a. Calliopsis—A very showy annual in bloom from early summer till frost. Lemon, yellow with dark brown centers, rich crimson and mixed. **Oz. 50c.**

17a. Canary Bird Vine—One of the most charming annual climbers, bearing hundreds of pretty, fringed bright yellow flowers, which resemble a canary bird with expanded wings. **Oz. 35c.**

18a. Candytuft—Dwarf, profuse flowers, of easy culture; useful for bedding and borders. Lavender, pink, crimson, white and choice mixed. **Oz. 40c.**

19a. Canna (Indian Shot)—Although these are generally planted from roots, they may be grown from seeds. **Oz. 30c.**

Canterbury Bell—See Campanula.

19a1. Carnation (Marguerite)—These are the most satisfactory of the annual pinks, and will bloom in four months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected the first winter, they will revive the following spring and bloom during that whole season. **Oz. \$1.00.**

19a2. Cardinal Climber (Ipomea Quamoclit Hybrida)—One of the finest annual climbers known today. Very graceful and beautiful, growing rapidly, and in a warm, sunny location with good soil, it reaches often a height of 20 feet; it is densely clothed with palm-like, rich green leaves, bespangled with clusters of fiery scarlet, tubular spear-shaped flowers, measuring about 1½ inches across.

20a. Centaurea (Centaurea Cyanus, Corn-flower)—Also known as Blue Bottle, Ragged Robin, Bachelor's Button. An old favorite garden annual. Double blue, purple, pink, white and mixed. **Oz. 40c.**

21a1. Centaurea, Imperialis, or Sweet Sultan—Gigantic, beautiful, sweet-scented flowers, borne on long stems. Mixed. **Oz. \$1.00.**

21a2. Cleome—Spider flower.

22a1. Centaurea, White Leaved (Dusty Miller)—Grown for their silver foliage; fine for edging and hanging baskets. ¼ oz. 30c.

22a2. Cerastium (Snow in Summer)—Dwarf, white-leaved edging plant; flowers white. **Oz. 40c.**

22a3. Chrysanthemum (Painted Daisy)—Garden varieties. Double, white pearl, yellow and mixed.

23a1. Cineraria—One of the most ornamental and useful plants for conservatory and house decorations. Mixture, 60c and \$1.00.

23a2. Clarkia—One of the prettiest and showiest hardy annuals. The plants bloom so freely and have flowers of such various bright colors that a bed of them in full bloom is a beautiful sight. They are useful, too, for hanging baskets, for vases and as edging plants. Sow outdoors in early Spring and grow in partial shade. They bloom through midsummer to late autumn. Average height, 1½ feet.

77a. Castor Bean—See Ricinus.

24a. Celosia Cristata (Creste Cockscomb)—Very desirable annual of easy culture, large comb-like heads, excellent border plants, very good for pots. Mixed. **Oz. \$1.00.**

24a1. Celosia Plumosa (Feathered Cockscomb)—Very decorative plant for the garden. The feather plumes are excellent for cutting. Can also be cut and dried for winter use. Mixed colors. **Oz. 60c.**

25a. CHINESE WOOLFLOWER (Celosia Childsi)—This is a unique form of the feathered Cockscomb, growing 2 to 3 feet high, each branch terminated with a large head of flowers that look as if made out of some silky wool material. Not only effective in beds or borders, but highly interesting and valuable for cutting, as they can be dried and retain their bright color for weeks. We offer three colors and mixed. Crimson, very rich color. Canary yellow, dark pink and mixed. 10c each.

26a. Cobea Scandens (Cup and Saucer Vine)—Well-known climber of rapid growth producing large bell-shaped blossoms; in sowing place the seeds edgewise, and merely cover with light soil.

26a1. Coleus (Large Leaved Hybrids)—Popular bedding plant with beautifully colored foliage; easily grown from seed if kept in warm temperature.

Convolvulus—See Japanese Morning Glory.

27a. Cyclamen Seed—Most beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental.

Pearl of Zehlendorf—Salmon pink.

Rose of Zehlendorf—Rose.

Rose of Marienthal—Bright pink.

Glowing Red—Finest red.

Pkt. 50c; 100 seeds \$1.50.

28a. Cosmos (Lady Lennox)—Giant flowering. An autumn flowering plant. A charming profuse bloomer. Crimson, pink, white and all colors mixed. **Oz. 50c.**

29a. Cosmos Klondyke—Same as above, but a clear orange yellow. **Pkt. 10c; oz. \$1.**

30a. Early Summer-flowering Cosmos—Coming into flower in July, continuing until frost. Can be grown in the North where the seasons are too short for other strains. Dwarf, compact growth; 4 feet. Flowers beautiful and large; petals broad; crimson, pink, white and all colors mixed; profuse bloomer. **Oz. 50c.**

31a. Double-crested Cosmos—Extra early flowering. This is an entirely new class of cosmos, producing double-crested flowers of exceptional beauty. The grower does not claim that all plants have double flowers, but the fields show about 50 per cent; but the ones that do not show double are dreams of beauty. Pink, white, crimson and mixed. Seed scarce.

32a. Cypress Vine (Ipomoea Quamoclit)—A very graceful annual climber, with feathery foliage and beautiful star-like flowers. Scarlet, white, mixed. **Oz. 50c.**

DAHLIAS—There is no more fascinating flower to raise from seed than the dahlia, for the result is a series of surprises. Seed should be started in the house from February till May and the young plants should not be set outdoors until danger from frost is past. Cactus single and double flowering varieties.

33a. Dahlia—Single mixed.

34a1. Dahlia—Double mixed.

34a2. Dahlia—Cactus mixed.

All Pkt. Seeds 10c, unless otherwise noted.



Double Crested Cosmos.



Helichrysum (Silvery Pink).

35a. Dimorphotheca (Golden Orange Daisy)—One of the showiest garden plants of recent introduction; fairly compact, bushy plants are literally covered with brilliant orange-gold, daisy-like blooms, on fairly long stems during the entire season; excellent for cutting.

36a. Didiscus (Lace Flower)—This pretty and interesting annual blooms most profusely from July till November; their exquisite pale lavender blossoms are excellent for cutting; plants grow about 18 inches high, and have as many as 50 flowers open at one time.

37a. Dolichos (Hyacinth Bean, or Texas Climber)—Showy climber, making rapid growth. White, purple, mixed. **Oz. 25c.**

38a. Eschscholtzia (California Poppy)—An elegant hardy annual with fine cut foliage and large poppy-like flowers; blooms from June till frost; fine for borders or large beds.

Choice Mixed. **Oz. 40c.**

Curanteaea—Rich orange.

Ballet Girl—Carmine and white.

Lovely—Rose pink.

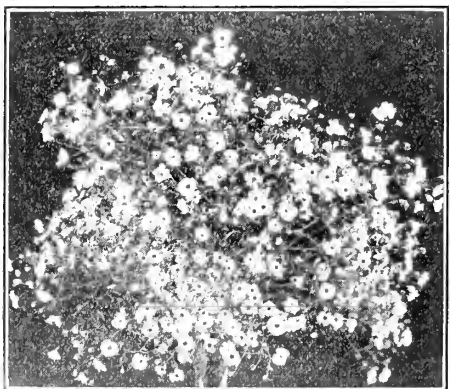
Orange Flame.

Purple Glow.

Scarlet Beauty.

The Geisha—Gold crimson.

Special: Pkt. 1 each of seven varieties, **50c.**



Gypsophila (Baby's Breath).

39a. Euphorbia—Plants with ornamental foliage, very showy and easily raised from seed. Known as "Snow on the Mountain." **Oz. 60c.**

Forget-Me-Not—See *Myosotis*. **64a.**

Four o'Clock—See *Marvel of Peru*. **57a.**

Foxglove—See *Digitalis*. **11p.**

40a. Gaillardia (Blanket Flower)—One of the best garden flowers, excellent for cutting. The large highly-colored, daisy-like flowers appear continually during the season. **Oz. 60c.**

40a1. Godetia (Satin Flower)—Beautiful and easily grown, producing a profusion of flowers, satiny texture.

41a and 42a. Gourds—Dishcloth or Luffa, Nest Egg, Hercules Club, Pear Shape, Mock Orange, Sugar Trough, Calabash, or Pipe Gourd, Thermos Bottle, Chinese Lantern, and a general mixture; rapid climbers. Each, **oz. 40c.** State kind wanted.

43a. Gypsophila (Baby's Breath)—Pretty, free-flowering plants of easy culture; excellent for cutting to mix with other flowers. White and carmine. **2 feet. Oz. 50c.**

Helianthus—See *Sunflower*. **37a1.**

44a. Heliotrope—A well known and highly prized plant on account of the delightful fragrance of the flower. Excellent for pots or beds. **Pkt. 10c and 25c.**

45a. Helichrysum (Strawflower)—One of the best and most popular of the everlasting flowers. Valuable for cutting or decoration, either when fresh or dried.

Mixed colors. **Oz. 50c.**

Canary Yellow.

Fireball.

Golden Globe.

Rose Carmine Shades.

Salmon.

White.

Special: 1 pkt. of each of seven varieties, **50c.**

45a1. Helichrysum (Silvery Pink)—A soft pleasing shade of delicate silvery pink, something quite and heretofore unknown in *Helichrysums*. The blooms are quite large, two inches and more in diameter.

45a2. Helianthus. Miniature.

46a. Humulus (Japanese Hop)—A rapid growing annual climber with luxuriant foliage; excellent for covering trellises and verandas. **Oz. 50c.**

47a. Hunnemannia (Giant Yellow Tulip Poppy)—Sown outdoors in May it produces large quantities of giant yellow tulip-like flowers during end of August, continuing for the balance of the season; the foliage resembles *Eschscholtzia*; height, **2 feet.**

Hyacinth Bean—See *Dolichos*. **37a.**

Ipomoea—See *Moonflower*. **60a.**

48a. Ice Plant—Beautiful dwarf edging plants; flowers profusely in dry and sunny situations. Fine for pots. Covered with watery vesicles resembling pieces of ice.

48a1. Jerusalem Cherry Solanum—Indoor pot culture. **Pkt. 25c.**

49a. Kochia (Summer Cypress, or Mexican Fire Bush)—An easily grown annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of Autumn the foliage turns to a deep red color; **2 to 3 feet. Oz. 40c.**

Lace Flower—See *Didiscus*. **36a.**

50a. Lantana—Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March. Flowers resemble *Verbenas*; plants bloom all Summer. Mixed. **Oz. 50c.**

51a. Lupinus—Very desirable garden plants, showy, excellent for cutting. Graceful spikes **2 feet** long in various shades of white, blue, pink and yellow mixed. **Oz. 60c.**

52a. Larkspur (Hollyhock Strain, or Annual Delphinium)—Splendid annuals of easy culture. When sown early in spring will produce blooming plants in July. Graceful, fern-like foliage and slender spikes. Fine for cutting and garden decorations. White, blue, pink and all colors mixed. **Oz. 75c.**



Hyacinth Bean—Most Ornamental Climber.

Marigold—These are old favorite free flowering annuals with rich showy flowers blooming all summer. The tall African varieties are best for garden and cutting, while the dwarf French varieties are best suited for edging and bedding purposes. In colors and mixed.

53a. Lobelia—No garden is complete without an edging of blue lobelias. Very desirable for pots and hanging baskets. **Crystal Palace.**

54a. Marigold, French—Legion of Honor, single brown and yellow; Golden Ball, double golden yellow, dark and all colors mixed. **Pkt. 10c; oz. 60c.**

55a. Striped Marigold, African—Lemon Queen, Orange Prince colors. **Oz. 75c.**

56a. Marigold, African Mixed. **Oz. 25c.**

Larkspur Hollyhock Strain or
Annual Delphinium.

57a. Marvel of Peru (Four o'Clock)—Bushy plants of easy culture, producing hundreds of flowers during the entire Summer; very showy; 2 feet. **Oz. 30c.**

58a. Mignonette—Valuable for cutting on account of its fragrance. Sow in succession during the whole Summer; may also be forced in greenhouses during winter.

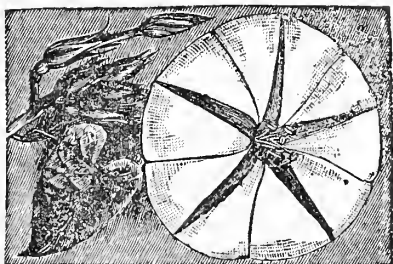
Golden Machel—Large reddish tinted, sweet scented flowers. **Oz. 75c.**

59a. Mimulus (Tigrinus)—Showy, profuse flowering plants; fine for greenhouses or moist, shady situations; 1 ft.

Momordica—See Balsam Apple. 11a1.

60a. Moon Flower (Ipomoea Noctiflora)—Climber. At night and during dull days the plants are covered with an abundance of large, pure white fragrant flowers. **Oz. 75c.**

61a. Imperial Japanese Morning Glories—These are beyond question the handsomest of all Morning Glories. Of the easiest culture, can be sown in the open ground in a sunny situation when the weather has become warm and settled; they soon cover a large area, and even before flowering are decidedly interesting on account of the varied forms of the foliage and their markings. The flowers are of gigantic size and their colorings beyond description; the self or solid colors range from snow-white to black-purple, with all the possible intermediate shades; there is also an endless



Moon Flower.



Marvel of Peru.

Mignonette.

number having flowers spotted, marbled, striped, flaked, splashed, etc. **Oz. 25c.**

62a. Double-Flowering Morning Glories—These beautiful climbing annuals are of very rapid and luxuriant growth; the flowers will come double, semi-double and a few, perhaps, single. The colors vary; there are various shades of blue, white spotted with red, white marbled with purple and lavender, crimson, pure white, etc. Mixed colors. **Oz. \$1.00.**

63a. Fancy Fringed Morning Glories—The perfection of morning Glories. Immense flowers, often as big as saucers, all wavy, ruffled and fluted from throat to margin, like crumpled velvet. They are simply magnificent. Mixed colors. **Oz. 50c.**

Mourning Bride—See Scabiosa. 83a.

64a. Myosotis (Forget-Me-Not)—Beautiful, half hardy perennials, blooming the first year.

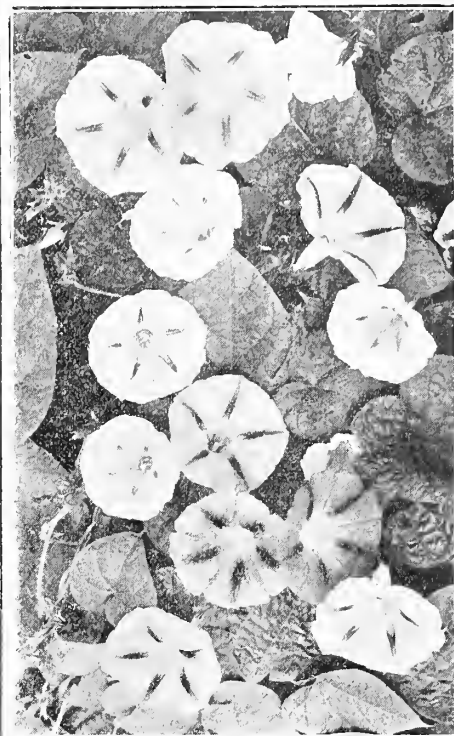
Nasturtium—See below.

65a. Nicotiana—Splendid showy flowers on long terminal tubes. It is so fragrant that a small bed will perfume the surrounding atmosphere. Mixed colors and pure white and purple.

66a. Oenothera (Evening Primrose)—Beautiful low-growing plant, producing

large, silvery white rose and yellow flowers. They thrive best in a sunny position, but succeed in almost any situation or soil. Annual varieties, all colors; mixed.

Use our High-Grade Sheep and Cattle Manure extensively in your flower garden and be repaid by best results. We can sell you a cart load in a 100-lb. bag.



Morning Glories.

M.-S. GIANT FLOWERING NASTURTIUMS

Nasturtiums are among the best known and most popular of hardy annuals, and within the past few years have been greatly improved in size as well as in colors and markings. Easily grown, and producing a great profusion of brightly colored flowers from within a few weeks after they are sown until they are killed by frost; they succeed best in rather light, well-drained soil.

DWARF VARIETIES

1b. Vesuvius (Salmon Rose)—These have a neat, compact habit and attractive foliage, are not disturbed by insects, bloom most profusely the whole season.

2b. Chameleon—Produces various colors and markings on the same plant.

3b. Empress of India—Dark-leaved velvety dark scarlet flowers; select flowers.

4b. Spotted King, or Ladybird—Rich yellow, scarlet-spotted flowers, dark-leaved; splendid.

5b. Queen of Tom Thumbs—Variegated foliage; choicest mixture.

6b. Golden Queen—Yellow-leaved, with golden yellow flowers.

Prices on all the above varieties: **Pkt. 10c; oz. 20c; 1/4 lb. 60c.**

M.-S. Fancy Giant Flowering Mixed Dwarf—**Pkt. 10c; oz. 15c; 1/4 lb. 35c; 1 lb. \$1.00.**

Our Nasturtiums are noted for their size, variety and brilliancy.

TALL VARIETIES

7b. Dunnett's Orange.

8b. King Theodore. Purple dark foliage.

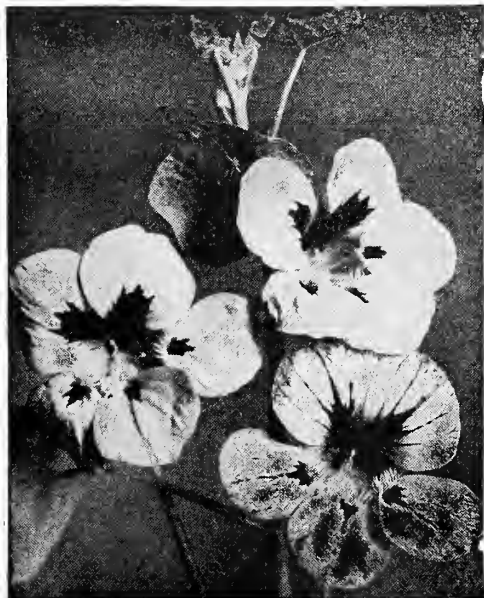
9b. Crimson.

10b. Pearl, Amber White.

11b. Jupiter Yellow.

Prices on all the above varieties: **10c pkt., oz. 20c; 1/4 lb. 60c.**

M.-S. Tall or Climbing Nasturtiums—For covering trellises, fences, arbors, piazzas, or trailing from vases, urns, etc. Bloom from early Summer until frost. **Pkt. 10c; oz. 15c; 1/4 lb. 35c; 1 lb. \$1.00.**



M.-S. Giant Flowering Dwarf Nasturtiums



M.-S. Tall or Climbing Nasturtiums.



M.-S. Shirley Poppies.

Poppies

A great advance has been made in recent years in the development of the Poppy which has brought it into deserved popularity, and it may be safely said that no other flower produces a more brilliant display of color during the blooming period. Annual Poppies should be sown as early in the Spring as possible where they are to remain, as they do not stand transplanting. If constant blossoms are desired, successive sowings should be made every two weeks.

67a. "Mikado"—Double the Striped Japanese Poppy—This beautiful Poppy is very distinct in character and color. The flowers are brilliant scarlet and white, with elegantly curved petals, like a Japanese Chrysanthemum.

67a1. M.-S. Shirley Poppies—A bed of these Poppies produces a gorgeous effect in the garden; large flowers with brilliant colors.

68a. American Flag. Beautiful variety; flowers very large and double, snow white, bordered with scarlet.

68a1. Double Flowered Mixed Poppies—Immense double flowers, resembling a Peony; two feet.

American League—Orange scarlet.

Eldorado—Double pink.

Rose Pink.

Exquisite Mixed.

Special: 1 pkt. each of above four varieties, 30c.

Yellow Tulip Poppy—See Hunnemania.

68a. Portulaca Single (Mexican Rose)—Brilliant hardy annual, of easy culture; excellent for massing in beds or rock work; thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors. **Oz. 75c.**

69a1. Portulaca Double—Pkt. 10c; oz. \$2.

Petunias

The Petunia is without a peer among annuals for effective Summer bedding or indoor culture. It is of easy culture early to blossom and continues throughout the Summer until the first killing frost. No other flower produces greater diversity of color, retaining its freshness for so long a period.

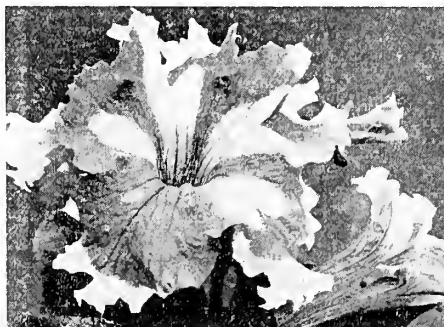
70a. M.-S. PETUNIA MAMMOTH—Very fine, all colors mixed. **Oz. \$1.50.**

71a. Snowball—Pure white. **Oz. \$1.75.**

71a1. Rosy Morn—Pink. **Oz. \$2.50.**

71a2. General Dadds. Blood red.

72a. Howard's Star Petunia—A beautiful variety; produces a profusion of crimson-maroon flowers, each having a distinctive five-pointed white star. **Single. Oz. \$3.50.**



M.-S. De Luxe Bedding Petunia.

72a1. M.-S. De Luxe Bedding Petunia—Embracing only large flowering, gorgeous colored varieties. **Oz. \$2.50.**

73a. Balcony Petunias—A splendid free flowering type for window or porch boxes, vases, etc.; also valuable for bedding, giving a display of flowers throughout the entire summer until frost; the flowers are large, averaging 3 inches across.

Blue. Crimson. Rose. White.
Mixed Colors.

All of the above: Pkt. 15c; large pkt. 50c.

74a. Phlox Drummondii—Easily grown from seed; makes a brilliant display as a Summer bedding plant. White, pink, crimson-white striped, pink with white eye, purple-white striped, yellow-white with pink eye, rose-white striped, or all colors mixed. When ordering, mention color wanted. **Oz. \$1.50.**

75a. Rhodanthé—Very beautiful; delicate looking; everlasting. Much prized for Winter bouquets. Red and white and both colors mixed.

Ricinus (a) (Castor Oil Bean)

One of our best ornament-leaved annual plants, largely used for the center beds, being splendidly effective grouped with cannas, Caladiums and other tall plants.



Ricinus or Castor Oil Plant.

76a. New Ricinus or Castor Oil Plant "Red Spire"—The shapely bushy plants attain a height of about 6 feet, with pretty palmate leaves of a bronzy green with prominent red ribs and veins, and producing through the summer and autumn numerous spikes of flowers or seed pods 9 to 18 inches long, of a brilliant rosy crimson; altogether a most effective semi-tropical plant, valuable alike for its foliage and flowers, and like other Ricinus, absolutely insect-proof. As single specimens or in beds on the lawn, for filling up a corner, or making a hedge or line, this is one of the most ornamental plants ever introduced. **Per pkt. 15c; 40c per oz.**

77a. M.-S. Ricinus Mixture—Appreciating fully the splendid effects that a fine array of these desirable foliage plants will make in your garden, we have composed a mixture that for elegant blending is unsurpassed. **Oz. 20c.**

78a. Zanzibariensis—Enormous leaves, varying in color from light green to purplish red. **12 feet. Oz. 25c.**

79a. Sanguinea—Plants attain great dimensions—12 to 14 feet. Leaves a beautiful blood red. **Oz. 25c.**



Phlox Drummondii.



Shirley Poppy.



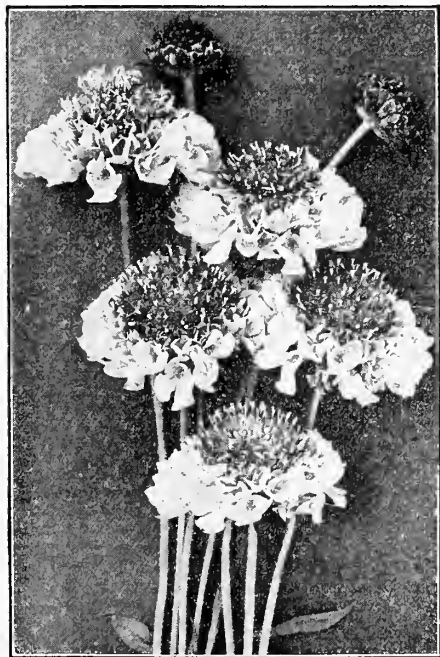
Salvia Scarlet Sage.

SALVIA (a) (SCARLET SAGE)

80a. Salvia Splendens—This popular bedding plant is impossible to be replaced. There is nothing more effective in the Fall or mid-Summer than these bright scarlet flowers. Seed should be started either in the house from February till April or in hotbeds. Best bedder, beautiful scarlet flowers of immense size. **Oz. \$2.00.**

81a. Salvia Bonfire—Compact bushy plants; two feet high, producing innumerable erect spikes of the most brilliant scarlet flowers. Height, 2½ to 3 feet. ¼ oz. 75c.

82a. Salpiglosis (Painted Tongue)—Very beautiful, hardy, annual plants, flowering freely from July to early Autumn. Rich soil should be provided, with plenty of space for plants to develop. Blue, rose, violet, red, purple, yellow, maroon and all colors mixed.



Scabiosa.

83a. Scabiosa (Mourning Bride, Pin-Cushion Flower, Egyptian Rose, etc.)—Beautiful colored flowers, 2½ feet high; fine for cut flowers.

84a. Scarlet Runner—Ornamental and useful climbing beans. **Oz. 15c.**

85a. Sensitive Plant (Mimosa)—A curious and interesting half-hardy annual, with pinkish flowers; leaves close when touched; 1½ feet high.

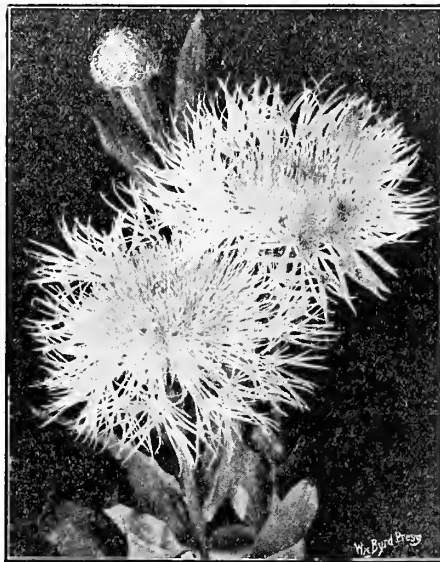
85al. Smilax—A well-known greenhouse climber, with small dark-green foliage; of great value in floral work. **Oz. 60c.**

Snapdragon—See Antirrhinum.

86a. Stock—Half-hardy annual; fine for cutting, bedding or edging, also pot culture; average 1 to 1½ feet. Mixed colors, white, pink, yellow, crimson, light blue, dark blue, separate colors.

Strawflower—See Helichrysum.

87a. Sweet Sultan (Centaurea Moschatus)—Hardy annual; flowers resemble "Bachelor's Buttons," fragrant flower on long stems.



Sweet Sultan.

Sunflower

87al. THE UNIQUE RED SUNFLOWER.

The plants reach a height of from 5 to 8 ft. and throw out many branches. Flowers are very numerous, of good form, usually having large long rays and small discs. Heads vary greatly in size—some are only 2 or 3 inches across, while others are a foot or more. The color diversifies greatly, some plants produce flowers of rich chestnut red, others red flowers tipped with yellow, others washed with red. This variety in size and color makes a hedge or border interesting and attractive. Some few seeds will produce plants bearing yellow flowers; for, although the seeds came from carefully selected stock, they were grown in a region where sunflowers abound and the wild, doubtless, have crossed some with pollen from the wild flowers. The plants likely to produce yellow flowers have no purple in stem or leaf and can be destroyed when seedlings. **Oz. 50c.**

88a. Single Sunflower—Dwarf.

89a. Double Sunflower—Dwarf chrysanthemum-flowering; very attractive. **Oz. 40c.**

90a. Sunflower (Large Russian)—Six to eight feet high; immense flowers. **Oz. 10c.**

91a. Thunbergia (Black-Eyed Susan)—Beautiful. Very ornamental climber.

92a. Verbena—Dwarf bedding plants for a gorgeous display during the Summer months cannot be excelled, commencing to



Salpiglosis (Painted Tongue).

flower in July and continuing until frost. Our Mammoth Fancy Strain cannot be surpassed for profusion of bloom and beautiful colors and shades. M-S. Fancy White, Scarlet, Dark Blue, Light Blue, Scarlet-White Eye, Pink-White Eye, Violet-White Eye, and all colors mixed. When ordering state color wanted. **Oz. \$1.50.**

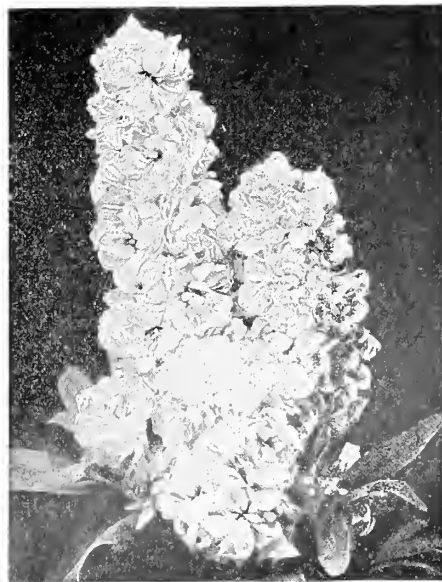
93a. Vinca (Madagascar Periwinkle)—Dwarf bedding plants with deep green glossy foliage and bright single blossoms of striking beauty; sow early.

94a. Wild Flower Garden—Fine mixture of old favorite. **Oz. 15c.**

Gentlemen:

We surely were pleased with the seeds last year. I had the loveliest Straw-Flowers I have ever seen; some of the "trees" the children called them, were 5 ft. high and blooms as large as a silver half dollar. My snapdragons were also very beautiful.

MRS. IRENE JESSOP,
315 Caton Ave.



Stocks.

M.-S. GIANT DAHLIA - FLOWERING ZINNIAS

All Flower Seed Postpaid.

This splendid new and distinct race is without a doubt the greatest improvement in Zinnias yet developed and will greatly increase the popularity of this flower. The plants are of strong, vigorous habit, from 2½ to 3 feet high, and produce mammoth flowers 4 to 6 inches across and 2½ to 3 inches deep. The broad petals are closely imbricated, sometimes seeming to be piled one upon the other, the flowers so closely resembling decorative Dahlias, that when placed by their side, it is difficult to distinguish one from the other.

The Zinnia is one of the most brilliant, showy and satisfactory of annuals, and has long been a general favorite. The seed can be sown early in the hot-bed or light window and transplanted or sown later in the open ground. They come into flower early in the summer and keep on blooming until hard frost. The varieties offered are the most important kinds.

95a. Crimson Monarch—By far the largest and best of the red shades; plants very vigorous.

96a. Dream—A fine, deep lavender turning to purple, a new, desirable shade in Zinnias.

97a. Exquisite—One of the most pleasing in the collection; truly Dahlia-flowered as regards form and size; color, light rose, with deep rose centre.

98a. Golden State—A very rich orange yellow; yellow in the bud, turning to an attractive orange when in full bloom.

99a. Purple Prince—A fine, deep purple, large and well formed.

100a. Oriole—One of the most beautiful of its class; an immense orange and gold bi-color, changing slightly as it ages, but at all times worthy of the beautiful bird for which it was named.

101a. Polar Bear—A very large pure white; the best white yet seen in Zinnias.

Price the above seven varieties 20c per pkt.; large pkt. 35c each.

Collection—One 20c pkt. each of above seven separate varieties for \$2.00.

102a. Mixed Colors—A well blended mixture, covering a wide range of colors and shades. Oz. \$2.00; pkt. 10c and 25c.



M.-S. Giant
Dahlia-Flowered
Zinnia.

M.-S. CHOICE ZINNIAS

(YOUTH AND OLD AGE)

M.-S. SPECIAL STRAIN OF DWARF GIANT FLOWERING DOUBLE ZINNIAS—A special strain of this grand old favorite free and continuous flowering annual, which produces flowers of colossal size, specimens measuring from 5 to 6 inches across being not unusual. Plants are of extremely robust habit, attaining a height of about 3 feet and bearing on long strong stems numerous semi-globular, mostly very double flowers, all of the largest size, making them of great value in large beds, borders, etc.; grown under favorable conditions they remain in bloom from early summer to late autumn.

We offer six of the most popular colors, separately, as well as a splendid mixture of many colors, as follows:

103a. Golden Yellow. Pkt. 10c; oz. 75c.

104a. Bright Scarlet. Pkt. 10c; oz. 75c.

105a. White. Pkt. 10c; oz. 75c.

106a. Salmon Rose. Pkt. 10c; oz. 75c.

107a. Canary Yellow. Pkt. 10c; oz. 75c.

108a. Dark Scarlet. Pkt. 10c; oz. 75c.

Collection of a packet of the above 6 colors, 50c.

109a. Giant Flowering Dwarf—Mixed. All colors. Pkt. 10c; oz. 50c.

110a. Giant Flowering Tail—Mixed. All colors. Pkt. 10c; oz. 50c.

111a. M.-S. Victory Zinnia—This is a new introduction of Zinnia, forming quille petals. Choice mixed including all beautiful and several new colors. Pkt. 10c; oz. \$1.00.

112a. Curled and Crested Zinnia—The petals of this beautiful strain are twisted, curled and crested into the most fantastic and graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnia. Pkt. 10c; oz. 75c.

113a. M.-S. Picotee Type Zinnia—This exquisite new Zinnia. The flowers of which are not quite as large as the double giants, are very effective in appearance, as the edges of the petals are all well marked with a distinct color to the body of the flower, making them very attractive as bedders and cut flowers. Pkt. 10c; oz. \$1.00.

3 Years of Pleasure for \$1.00

Everyone who reads it likes *The Country Gentleman*—and more than 1,500,000 people buy it every month. Dad enjoys its radio features, its helpful farm suggestions; mother welcomes its complete women's department (with patterns at 10c); the children rush for the pages made especially for them; the whole family revels in its outdoor stories by such favorite authors as Zane Grey, Courtney Ryley Cooper, Joseph C. Lincoln, Grace S. Richmond.

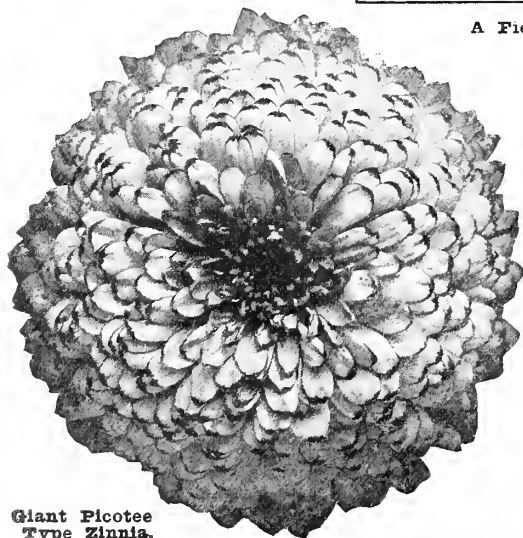
To insure prompt service—the cost for three years is only \$1.00—mail us your personal and gift subscriptions for **THE COUNTRY GENTLEMAN**

SPECIAL OFFER

Due to the popularity and the success with which Zinnia Seeds are grown into beautiful plants, we are offering seven 20c pkts. (all seven above varieties) in separate colors, each pkt. wrapped separately, for \$1.00, sent post-paid.



A Field of Giant Dahlia Flowered Zinnias.



Giant Picotee
Type Zinnia.

M.-S. SPENCER, or ORCHID SWEET PEAS



Spencer Sweet Pea.

All Sweet Peas
Postpaid.

Inoculate Sweet Peas, to insure success. Use Mulford's Culture, or Stimulerm. For particulars, see page 28.

Nothing within recent years can approach in importance the introduction of the "Spencer" Sweet Peas. They are distinguished from the Grandiflora sorts by the enormous flowers with crinkled and wavy petals, and also from the fact that they usually bear four blossoms on a stem. The plants are of robust growth and bear flowers on long stems.

- 1c. Constance Hinton—Best White.
- 2c. Blanche Ferry—Pink and White.
- 3c. Majestic—Deep cream.
- 4c. Blue Bird.
- 5c. Hercules—Pure Pink.
- 6c. King Edward—Pure Red.
- 7c. Margaret Atlee—Rosy Buff.
- 8c. Blue Picotee—White Blue Edge.
- 9c. Austin Frederick Improved—Large pure lavender.
- 10c. Othello Spencer—Deep Maroon.
- 11c. Florence Nightingale—Bluish-Lavender.
- 12c. Crimson King—Solid rich deep crimson.
- 13c. Youth—White edged delicate soft rose pink.

Price on all the above—Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

- 14c. Gleneagles—Immense pale blue lavender. Price, pkt. 25c; oz. 50c; ¼ lb. \$1.50.

14cl. Mary Pickford—A beautiful dainty cream pink with just the faintest suffusion of salmon, making the color combination hard to surpass. The flowers are perfectly formed with both standards and wings decidedly waved. "Mary Pickford" is a sturdy grower, producing an abundance of large four-flowered sprays on long, stout stems. Price same as above.

IRIS GERMANICA (German Iris)

For Parcel Post, add 5c per plant, 10c per dozen.

Nothing in the floral kingdom can equal the variety of color found in the new Germanica Hybrid Iris. They are both hardy and permanent, increasing every year at least twofold. Plant shallow, give gypsum or bone but avoid fresh manure.

The first color stands for Standards. The second for Falls.

EXHIBITION VARIETIES

- Camelot—White. Fringed Lavender. 50c.
- Cecil Minturn—Pale Lavender with Violet through center. Yellow. 75c.
- Dawn—Light Sulphur Yellow, bronze veined at throat. Orange. 50c.
- Empress of India—Light blush Violet with a silvery sheen. Yellow. \$1.00.
- Lent A. Williamson—Bright Lobelia Blue. Velvety Pansy Violet. 75c.
- Isoline—Silver Lilac. Purplish Old Rose. 50c.
- Juniata—Clear Violet. 50c.
- Prosper Laugier—Bronze. Red Crimson. 50c.
- Quaker Lady—Violet. Yellow. 50c.

POPULAR VARIETIES

- Alcazar—Mauve-bronze. Purple. 35c.
- Albert Victor—Violet. 25c.
- Amas—Light Blue. Deep Purple Violet. 35c.
- Caprice—Rosy Red. 25c.
- Celeste—Pale Violet. 25c.
- Dalila—Lavender. Purple. 35c.
- Dalmarius—Cattleya. Rose. 25c.
- Fairy—White. Suffused Blue. 25c.
- Florentine Alba—Pearl White. 25c.
- Glory of Reading—Deep-blue. Royal Purple. Yellow. 35c.
- Iris King—Gold. Maroon. 35c.

WE LOVE TO HEAR FROM PLEASED GARDENERS

Geo. Tracey, gardener for Mr. F. N. Iglehart, tells us that our Named Spencer Sweet Peas are the finest he has ever seen.

15c. PINKIE (Novelty of 1928)

The most vigorous Rose Pink Pea ever introduced. Features—long stems, large flowers; bright color, long blooming season. Pkt. 25c and 50c; oz. \$1.00.

M.-S. Winter Flower Spencer Sweet Peas

For indoor forcing. This seed has been grown from originator's stock and can be depended upon for excellent results.

16c. Snow Flake—Large and of the best waved Spencer form. The pure white flowers are borne in wonderful profusion on long stems.

17c. Early Harmony—Clear lavender throughout; of large size and well waved.

18c. Columbia—Pink standard, white wings.

19c. Yarrowa—A pleasing shade of bright rose pink with lighter wings.

20c. Early Meadow Lark—Large early cream.

21c. Glitters—The sensational orange scarlet, very bright.

22c. Zwolaneks Rose—A very large and wavy, rich pink.

23c. Early Vulcan—Red.

24c. Early Blue Bird—Blue.

All the above, 10c per pkt.; ¼ oz. 30c; 1 oz. 60c.

M.-S. Superb Spencer Mixture

A mixture that cannot be surpassed. Pkt. 10c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

M.-S. Gilt Edge Sweet Pea Mixture

This superb mixture is blended by us with extraordinary care from named varieties of the most improved large flowering type, including recent American and European novelties, as well as a great many new hybrids, as yet unnamed, insuring gorgeous color effect. Oz. 15c; ¼ lb. 30c; ½ lb. 50c; lb. 90c.

HARDY SWEET PEAS

17p. Lathyrus Latifolius (Perennial Sweet Pea)—Showy hardy climber, fine for covering walls and stumps. Free flowering. Pink, red, white, pearl, and mixed colors. Pkt. 10c; oz. 75c.

- Lohegrin—Mauve. Violet. 25c.
- Lorely—Yellow. Blue. 25c.
- Ma Mie—White penciled Violet. 35c.
- Madame Paquette—Bright, rosy-claret. 25c.
- Maori King—Rich Golden Yellow. Maroon. 35c.
- Mithras—Yellow. Red and Yellow. 25c.
- Monsieur—Pale Violet. Deep Purple. 25c.
- Mad. Chereau—White edged. Blue frilled. 35c.
- Mrs. Sherwin Wright—Golden Yellow. Small. 25c.
- Niehlungen—Fawn Red. Purple, on Bronze. 35c.
- Nine Wells—Light Violet. Deep Purple Violet. 25c.
- Pallida Dalmatica—Lavender. 35c.
- Perfection—Lavender. Violet. 35c.
- Princess Victoria Louise—Yellow. Violet. 25c.
- Puesedecorus — Yellow
- Flag. 25c.
- Pumila—Purple. 25c.
- Queen of May—Rosy. Lilac-pink. 35c.
- Rhein Nixe—White. Pansy-violet. 35c.
- Orientalis—White. 25c.
- Orientalis—Blue. 25c.
- Mixed Iris Germanica—\$2.50 doz.

JAPANESE SIBERIAN AND DWARF IRIS

These want sour soil and are to be well covered.

- Siberian—White. 25c.
- Siberian—Blue. 25c.
- Tamerlane — Magnificent Deep Purple. Violet. 35c.
- Tectorum (Japanese — Purple. 25c.
- Viola Grandiflora—Amethyst Violet. 25c.
- Mixed Japanese—25c.
- Dwarf—White, Blue, Gray and Yellow. 25c.



Japanese Iris.

M. - S. SUPERFINE GLADIOLUS

OUR BULBS ARE
1½ INS. AND UP.

If to be sent by Parcel Post, add postage at 25c per 100. Single bulbs and dozens we deliver free in U. S.

Culture—what a wonderful stride the Gladiolus has made during recent years. Its popularity today is exceeded by few other flowers, and it has by no means reached its limit. And there are good reasons for this popularity. Failure with it has never been known. Gladiolus will grow in any open position, where there is a fair amount of sun, and bloom well. They are not only showy in the garden, but, when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest orchids. Plant bulbs 3 to 4 inches deep, 6 inches apart and stake when 2 feet high. Flowers appear from early July until late in the fall.

The following three priced 25c ea.; \$2.50 doz.; 6 at doz. rate.

Souvenir—Pure Canary yellow, early flowering, graceful and artistic.

Taro—The deep rose pink of the American Beauty Rose, ruffled flower of stately form.

Tycko Zang—Very large flower of a Salmon Pink shade, unusual and attractive.

The following three priced 20c ea.; \$2.00 doz.; 6 at doz. rate.

Golden Measure—Fine golden yellow; very large flowers.

Mrs. Fred C. Peters—Gorgeously light blue with deeper markings, many flowers open on long stems.

Persia—Shiny, velvety dark maroon, almost black.

The following seven 15c ea.; \$1.40 doz.; \$9.00 per 100; 50 at 100 rate.

Anna Eberius—A deep rich purple; very unusual and particularly attractive.

Byron L. Smith—A fine lavender with pure yellow markings.

Crimson Glow—A splendid dark red.

Louise—Exquisite shade of clear lavender, growing brighter toward the center.

L'Immaculee—Pure white, long spikes with many flowers open at one time; very early.

Virginia—Wide open flowers of a bright, cheery Christmas Red.

War—Deep blood red. Very tall and conspicuous. A fine late variety.

The following six 10c each; \$1.00 doz.; \$7.00 per 100; 50 at 100 rate.

Alice Tiplady—Large flowers of beautiful orange saffron color. Early.

Evelyn Kirtland—Beautiful shade rosy-pink, darker at the edges, with brilliant scarlet blotches on lower petals. Tall spike, extra form and color.

Herada—Blooms of immense size on tall, straight spikes; the color is pure mauve, glistening and clear with deeper marking in throat. An unusual color and very effective as a cut flower.

Mrs. Dr. Norton—Very large flowers well set on a tall and graceful spike with 4 to 8 flowers in bloom at one time. Color, white with edges of petals suffused with soft La France pink; a very choice variety.

Prince of Wales—Large flowers of salmon pink; very early blooming.

Willbrink—Pale vivid pink with creamy blotch on lower petal; very early and a fine cutflower.

The following eight 60c doz.; \$4.00 per 100; 50 at 100 rate.

America—Delicate lavender-pink; flower large size. Very popular.

Le Marechal Foch—Beautiful shade of light pink, flowers very large; one of the earliest.

Mrs. Francis King—Light scarlet, lower petals splashed deeper red. Tall spikes; very popular.

Mrs. Frank Pendleton, Jr.—The color is a delicately flushed salmon pink extending to the reverse side of the petal. The blooms are wide open and are arranged individually on very wiry stems. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals.

Panama—Beautiful pink. Distinctive and popular.

Peace—Flowers are large of good form, correctly placed on heavy straight spike. Beautiful white with lilac feathering on lower petals.

Schwaben—Delicate pale yellow, dark blotch in center. Very popular.

M.-S. Giant Flowering Mixed Gladiolus, composed of all named varieties in gorgeous blending. 5c each; 50c doz.; \$3.50 per 100; 50 at 100 rate.



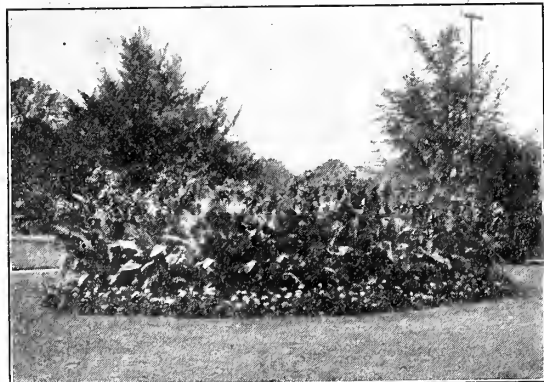
Type of M. & S.
Giant-Flowering
Mixed Gladiolus

M. & S. Superfine Canna Bulbs

greatest effect to adorn the surroundings. It is difficult to convey in language an idea of the beauty of the Canna plant and flower.

Culture—Canna tubers should not be put into the ground until the soil has become warm. They commence blooming in June and continue until late in September. Every shoot bears a flower and these shoots are being constantly produced throughout the blooming season.

Note—Our prices are for dormant roots in strong divisions of two and three eyes. After May 1st our stock of roots is usually sold, at which time we can fill orders with plants of some varieties.



Cannas.

Apricot—We consider this canna of unusual merit and especially valuable. Has healthy bright green foliage growing about four feet. Color mixture of buff and salmon.

Eureka—The best white variety; free bloomer; green foliage. 4 feet.

Florence Vaughan—Yellow, spotted crimson; green foliage. 5 feet.

Gladioflora—Has unusual shape resembling a Gladiolus. Color crimson changing to carmine rose and edged with gold; green foliage. 3 feet.

King Humbert—Truly a king among the Cannas, its majestic growth is doubly enhanced by a massive coppery scarlet flower and the broad deep bronze foliage. It grows 4 feet high and is splendid either as a center, edged with a dwarf yellow canna, or vice versa, placing it around a center of a tall yellow variety.

City of Portland—Flowers of large size on heavy trusses; color, glowing pink; profuse bloomer; green foliage; 3½ feet.

Richard Wallace—Light yellow; green foliage. 4½ feet.

The President—This splendid new variety produces immense flowers of a rich, glowing scarlet; green foliage. 3½ feet.

Wyoming—Orange chrome red; bronze foliage. 6½ feet.

All Varieties: 15c each; \$1.50 doz.; \$10.00 100; 50 at 100 rate.

All Above Varieties not labeled, 10c each; \$1.00 doz., all postpaid.

M. - S. SUPERB SURE-BLOOMING DAHLIAS

If to be sent by parcel post, add 5c to each root or 25c per dozen. Varieties marked (o) postpaid.

Novelties and Varieties of Special Merit

Spade or plow the ground to a depth of about 10 inches. As a fertilizer, use sheep manure and quick-acting bone meal, which should be well mixed with the soil. When the soil is properly prepared, dig a hole 6 inches deep, in which to plant the Dahlias. The bulbs should be laid down flat and covered to a depth of 4 inches. Every Dahlia should have from 2½ to 3 feet space and at least 4 feet between the rows.

As soon as the plants are a foot above the ground they should be tied to a stake.

Keep the ground well cultivated and free from weeds. An application of sheep manure about every two weeks will be of great benefit.

Never leave more than one shoot to a plant. You will have better plants and larger flowers if you will allow only one main shoot to a plant.

Orders for Varieties marked (o) will be filled in rotation, and will not be ready for delivery before April 15th.

Decorative Dahlias

CHAMPAGNE (o)—This was one of the rare novelties of last season; size large, color fine-dull champagne, varying to chamols. Large massive stem. \$1.50.

CHAS. STRATTON (o)—Wonderful exhibition variety. Fluffy formation of a beautiful blending of pale gold to old rose. Profuse bloomer with fine stems. \$1.00.

DARLENE (Alexander)—Delicate new decorative seedling. An exquisite shade of live shell-pink with a dainty blending of white at center. The foliage is a heavy, deep green, a perfect contrast with the pink-and-white blossoms. Unquestionably the finest pink-and-white decorative dahlia to date. 50c.

ELITE GLORY (o)—W. W. Kennedy's & Sons sensational creation. A monstrous flower and a consistent prize-winner. Brilliant red without any apparent purple or maroon shading. Heavy canelike stems. \$2.50.

ELSIE DANIELS (o)—Pale violet orchid shade blending to white in center, a beautiful combination. \$1.00.

F. A. WALKER—A charming shade of deep lavender-pink. For garden decoration or for cut flowers this variety is exceptionally good, having long stems and producing flowers in great abundance. 25c.

HARRY MAYER (o)—This dahlia belongs in the front ranks. Color pale rosalene purple. Habits of the plant are fine; dark green foliage and wonderful stems. \$5.00.

JERSEY'S BEACON (o)—Another of Mr. Waite's wonderful creations. A decided novelty of merit. Chinese scarlet, with paler reverse. \$1.00.

JERSEY'S BEAUTY (o)—This is certainly a beauty and should be in every garden on account of its wonderful color and stem—in a class by itself—a beautiful pink. \$1.00.

KEMP'S VIOLET WONDER (o)—The best violet colored dahlia to date. The flower is as nearly perfect as possible, frequently attaining a diameter of 10 inches and over, are borne on stiff stems 10 to 14 inches above the foliage. A strong vigorous grower, with wide spreading habit. Foliage bright green, healthy. \$10.00.

LITTLE JEWEL (o)—This is one of the daintiest flowers grown and for table decoration cannot be surpassed. A most beautiful pink. This is the only decorative of this type and rarely goes over two inches. A distinct novelty. 50c.

MILLIONAIRE—Most delicate lavender with faint pink cast overshadowing it, the whole having a blending of white. One of the best known lavender pink dahlias. Exhibition variety but not recommended for cut-flowers. 50c.

MRS. CARL SALBACH—A sensational decorative dahlia of great size. Large bloom of lavender pink. One of the best—always seen on the exhibition table. 50c.

MRS. I. de ver WARNER—Deep mauve-pink. One of the very best dahlias grown. Long stiff stems and excellent for cut-flowers. 50c.

MRS. ELEANOR MARTIN (o)—The color of this wonderful dahlia is best described as mulberry, petals peculiar rose with reverse of violet. Nothing like it in color. \$1.00.

MRS. E. P. JUDD (o)—Carmine and rose suffused with cream. Immense flowers. \$1.00.

MARGARET WOODROW WILSON (o)—A large decorative with broad petals well placed, terminating in points. Opalescent pink. Flowers are held well out of the dark green foliage on perfect stems. Awarded certificate of merit by the Dahlia Society of New Jersey 1925. \$2.00.

NOTTINGHAM BEAUTY (o)—A very striking bi-colored dahlia, a distinctive beauty. A combination of true purple with white tipped petals. The flowers are only of medium size, but have good depth. A strong robust and prolific bloomer. If you are fond of bi-colored dahlias, this is one you should have in your collection. \$2.50.

ORA DOW—A beautiful velvety maroon, effectively tipped white. 25c.

POP STEWART (o)—A remarkable flower of great size. In the young state the flowers appear rosy pink, but as they mature undergo a complete transformation, toning out into a most exquisite shade of the purest lilac pink. Best of stems. Scored 90 points at Trial Gardens of New Jersey. \$1.00.

PRIDE OF CALIFORNIA—Called the "American Beauty" dahlia. Winner of gold and silver medals. Huge crimson red flowers produced on long straight stems. 50c.

QUEEN OF THE GARDEN BEAUTIFUL (o)—In this we have a novelty of real merit, a flower that will measure from 9 to 12 inches across, it has also great depth, with long strong stems and keeps well when cut. \$2.50.

ROBERT SCOTT (o)—A very beautiful apricot yellow with rose shading, extra large bold flower, also has great depth, excellent stems and a fine bloomer. One of the most popular in the garden. \$2.00.

REFLECTION (o)—It's interesting to listen to dahlia lovers telling one another they like solid colors and before they leave, sell them all the bi-colors you have. Reflection is a grand exhibition and cut variety; face of petals white, reverse variegated and suffused violet producing a slight shell pink base. Free bloomer and good size, with a good stem. \$5.00.

ROMAN EAGLE (o)—Large exhibition decorative, of a flaming, brilliant burnished coppery color. One of the most admired dahlias at the recent shows. A variety of real merit. \$1.00.

ROSA NELL—The color is a clear bright rose, and the flowers are very large, and is one of the best shaped decorative dahlias grown. Good stem and habits. 50c.

SHIRLEY EILEEN SHATTUCK (o)—This is one of Thos. T. Murphy's good ones—a pure lavender of immense size on fine stems. A very free bloomer. If you are fond of lavender, this is one of the best. \$5.00.

SNOWDRIFT—A giant, clear white. The flower has good depth with broad waxy petals of the true decorative type. 50c.

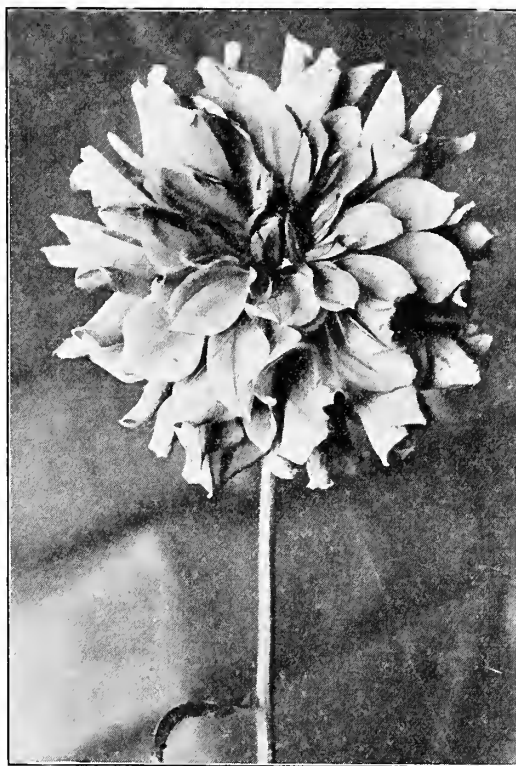
THE BASHFUL GIANT—This is one of the largest dahlias ever produced. It is also of great merit for its beautiful color, being an apricot with golden shadings. Flowers are produced on stout stems. 75c.

TRENTONIAN (o)—A giant decorative that appeals to all. The color is that of an Indian's skin, a wonderful blending of old gold, amber and coppery bronze. Petals are broad and well placed. Highly recommended for garden or exhibition. \$1.00.

W. J. ERWIN (o)—One of the best lavender purple dahlias to date. Immense size, on long stiff stems and a very free bloomer. \$2.50.

WATCHUNG SUNRISE (o)—This beautiful dahlia was originated by Mr. James Smith and is a worthy acquisition to any garden. Plant is a robust grower and holds its golden blooms, which are suffused pink on strong rigid stems, high above the foliage. \$7.50.

WILHELM MILLER—Very brilliant purple. This is a fine variety. 25c.



Decorative Dahlia.

Use SEMESAN on Dahlia Tubers to prevent disease and insure vigorous growth.

Cactus and Hybrid-Cactus Dahlias

ADDA PATTERSON (o)—One of the best white hybrid cactus dahlias to date. Flowers average 8 to 9 inches in diameter and are held aloft on fine, stiff stems—keeps well when cut. Habit of plant is exceptionally good. \$2.50.

ANDREAS HOFER (o) (Hybrid)—A Holland variety of merit. Not an oversized bloom, but handsome in construction. Color is a light pink, shading to cream in center. A basket of this variety was selected as the best cactus in the big Boston show. \$2.00.

CALIFORNIA ENCHANTRESS (Hybrid)—A new California creation. Flowers of very delicate blush; buds open a creamy-white, changing to a soft rosy tint as the flowers develop. Flowers produced on long, stiff stems in abundance, making it a good cut-flower variety. 50c.

ELITE GEM (o)—A true American cactus of fine form, free blooming on strong, stiff stems. Color spinel pink blush on primuline yellow at the base; reverse rosaline purple. \$2.50.

FARNCOTT (o)—A new creation introduced by Professor Fraser of Connecticut. This must be seen to be appreciated. Color is pure purple, tipped white. A very fine stem and good keeper. \$1.00.

FORT MONMOUTH (o) (Hybrid)—One of the giants of the dahlia world. The predominating color is a rich, crimson maroon with a brilliant wine red sheen, with just a touch of bluish violet at tips of petals, bluish violet reverse. The flowers are well formed, of true hybrid cactus type and of immense size attaining a diameter of 13 inches and are held high above the foliage on long, canelike stems, and look you right in the face. \$10.00.

GLADYS SHERWOOD (o)—A beautiful large white, with long petals that resemble white satiny ribbons. 75c.

KING SOLOMON (o) (Hybrid)—A beautiful orange, buff hybrid, with an iridescent sheen on the twisted and twisted petals, forming an exceptionally beautiful dahlia. Has been awarded many prizes. A distinct novelty of merit. \$1.50.

KOH-I-NOOR (o) (Hybrid)—Maroon, and at times so dark as to be almost black. Petals rolled closely and run to a point. Blooms are large and deep and have a velvety sheen that add greatly to their beauty. \$1.50.

MARIPOSA (o) (Hybrid)—A perfectly formed hybrid, composed of long, narrow incurved petals which turn and twist in a charming manner; color a beautiful pink shade, produced on long, stiff stems. \$1.00.

MISS AMERICA (o) (Hybrid)—One of the best new novelties. Rich orange buff, blending towards center lemon chrome. Petals are wavy, twisted and curled, colored on reverse side, light Jasper red. Very large with good keeping qualities. \$1.50.

MRS. ETHEL F. T. SMITH—This is a white shading to a greenish lemon tint in the center. A monster dahlia on a strong stem. Blooms freely and is a splendid exhibition variety. 75c.

MRS. C. B. BENEDICT (Hybrid)—A new seedling, 8 to 10 inches across. A clear light yellow; one of the largest grown; a wonderful flower. \$1.00.

MRS. C. H. BRECK (Hybrid)—A new cactus of exceptional merit. Color, creamy-yellow passing to various shades of rose-pink. 50c.

MR. SEAGRAVE—Deep purple. 25c.

SUCCESS—Clear yellow with long pointed petals; an early, free and continuous bloomer on long stems. 35c.

TUSTU—The color is perfectly gorgeous—a beautiful velvety maroon. The petals are very long, tightly quilled. We can highly recommend this variety. 35c.

WASHINGTON CITY—A gigantic pure white, star-like flower. It has a long stem and holds its flower erect. 50c.

Peony-Flowered Dahlias

BESSIE SEABURY—New seedling. White very daintily overlaid a delicate mallow-pink. An exceptionally free flowering variety of good habit that produces its blossoms on good long stems. 25c.

CAECILIA—A magnificent flower of great individuality; one that will give perfect satisfaction. A wonderfully large creamy-white flower. 25c.

ELLEN E. KELLEY—A long stemmed free-flowering golden-yellow variety. This variety is highly recommended, having all the good qualities of the dahlia. 25c.

IMPROVED GERMANIA—A rich deep scarlet-red, very brilliant and showy, producing their blossoms early and abundantly. 25c.

LATONA—An unusual blending of orange, buff and yellow. Flowers are nearly full to the center, and produced freely, upon good stems. 25c.

MRS. BOWEN TUFTS—Deep rosy-purple blossoms, which are produced well above the foliage upon long, graceful stems. 25c.

POLAR STAR—Large pure white, of fine form on long stems. 50c.

Ball or Show Dahlias

IMPERIAL—Deep purplish-maroon. 25c.

M. SOMERS—A beautiful clear purple. Large. 25c.

MAUDE ADAMS—Ideal new show dahlia. The color is a pure snowy white, very effectively overlaid clear delicate pink. 25c.

MISS HELEN HOLLIS—Gigantic scarlet show dahlia. Deep scarlet. Blossoms are on long, stiff stems, well above foliage. 25c.

PRINCESS VICTORIA—Pure canary yellow. Long stems, perfect form and free bloomer. 25c.

ROSE—Color, an exceptionally deep rose shade. Flowers carried erect upon extra long stems. Exceedingly free-flowering. 25c.

Single Dahlias

ACHIEVEMENT (Collarette)—The flower is a clear, rich velvety maroon; collarette, a beautiful snowy white, very daintily overlaid with a delicate shade of pinkish-crimson. 25c.

AMI CACHAT (Collarette)—Orange-red, yellow collarette. 25c.

AUBRIGHT BEAUTY—A pure, waxy white variety. Very new. 25c.

ROSE PINK CENTURY—A rose-pink shaded. Very large variety and without doubt the best of its color. 25c.

MR. FRANK I. SHOREY—The coloring is most fascinating and delightful, being a beautiful waxy white, effectively veined and shaded delicate pinkish lavender. 25c.

Pompon Dahlias

AMBER QUEEN—Rich, clear amber, shaded apricot. 25c.

BRUNETTE—Crimson, blotched white. 35c.

FASHION—Orange, fine. 25c.

LITTLE BEAUTY—Soft pink. 35c.

LITTLE JENNIE—Primrose-yellow. 25c.

SNOW CLAD—Small white, free. 35c.

RAPHAEL—Very dark maroon of extra fine form. 35c.

Fancy-Leaved Caladiums

Most attractive Ornamental Foliage Plants of easy culture. Will do well out of doors in the open as well as in pots in a half-shaded exposure, with plenty moisture and rich humus containing soil. Also as house plant or for conservatories, or in window boxes between ferns or small palms they give a very beautiful effect.

The following five standard varieties will give utmost satisfaction and are selected by specialist for our particular trade.



Fancy Leaved Caladium

CALADIUM (Elephant Ear)

As center pieces of specimen in flower beds Caladiums answer well. They also make an excellent edging for a hardy bed of grass, for Ricinus and other tall growing plants. When planted in a bed alone, a border of Scarlet Sage removes the one color effect and makes a beautiful contrast. Do not plant Caladiums outdoors until after May 1st, but to get them in early growth they may be started indoors.

Monster Bulbs, 20c each; \$2.00 dozen.

For postage, add 5c each or 25c dozen.

Begonias

(Tuberous Rooted)

Enormous wax-like flowers appear uninterruptedly from June until frost. Start indoors in March, and transfer outdoors about May 1st.

A most charming plant with beautiful foliage. We are offering single and double. Colors red, white, yellow, pink, salmon and mixed colors. Price 25c each; \$2.50 per dozen, postpaid.

Montbretias (Postpaid)

These are one of the brightest and most attractive of summer flowering bulbs and should be planted extensively. The bulbs should be planted out in the early spring, in clumps of a dozen or more, placing the bulbs 3 to 6 inches apart. They should be protected during the winter with a heavy covering of leaves or litter.

Star of Fire. Bright vermillion, center yellow.

George Davison. Lovely pale orange.

King Edmund. Rich golden with brown marking in throat. All above 10c each, \$1.00 dozen, \$6.00 100.



Caladium (Elephant Ear)

M.-S. Everblooming ("Monthly") Roses

Use Semesan for Brown Canker,
Black Spot and Mildew.

Every lover of roses should have a copy of "The Rose in America." Everything in detail about the American rose and from the American point of view. Price, \$3.00, postpaid.

See Special Offer on front inside cover page. All in 6-inch pots in bud, price \$1.25 each. Delivery during May. City, Suburban and Express delivery only.

TO GET THE UTMOST FROM YOUR ROSES

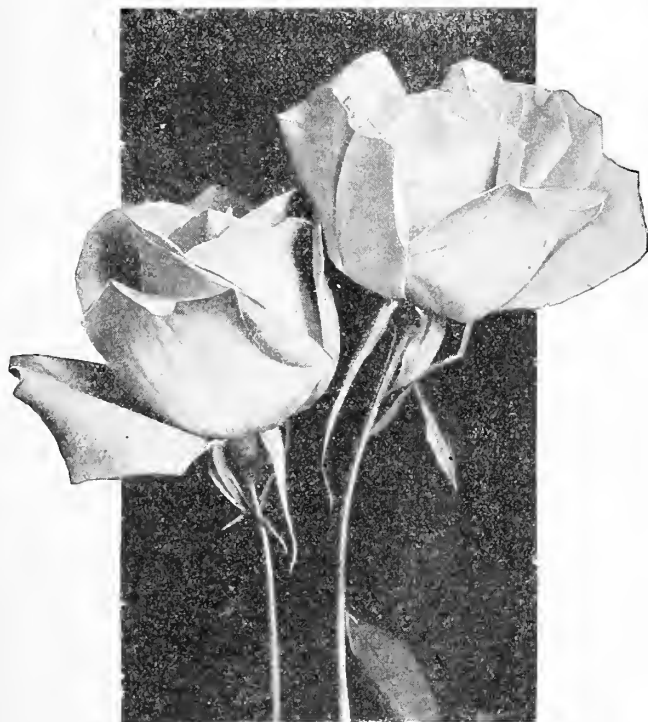
Roses that bloom freely are large consumers of plant food. Unless the fertility of the soil is replenished periodically and systematically, your roses will not do as well as they might. Very convenient articles to use are Wizard Brand Cow and Sheep Manure, Springfield Rose Food, Pure Bone, Raw Bone, Bone Flour, Sulphate of Potash, Blood Meal, Gypsum or Land Plaster, etc. All the mentioned articles are listed on our Plant Food page in this catalogue.

MISS WILLMOT—Beautiful white rose, sometimes showing pink spots.

MME. EDOUARD HERRIOT—Gorgeous combination of red-dish-terra cotta and bronze, flame shadings.

MRS. AARON WARD—Bud beautiful rich yellow, which changes to shades of pink as flowers develop.

KAISERINE AUGUSTE VIKTORIA—Creamy-white, immense substance, petals smooth and nicely arranged. Very popular.



Mrs. Aaron Ward.

LOS ANGELES—Luminous flame-pink toned with coral, lighter shadings at the base, buds long and pointed, expanding to a flower of mammoth proportions.

MME. BUTTERFLY—Much superior to Ophelia, its parent. Harmony of bright pink, apricot and gold.

OPHELIA—Clear, bright salmon, often deepening toward golden-pink.

WILLOWMERE—Coral-red color, suffused with carmine in the bud state, opens rich shrimp-pink, shaded yellow in the centre and flushed carmine-pink towards edges of petals.

HADLEY—Deep velvety-crimson.

FRAU KARL DRUSCHKI—Best snow-white rose ever introduced. Immense in size and produced with great freedom. Hybrid perpetual.

LADY ASHTOWN—Pale rose, shading to yellow at base of petals.

COLUMBIA—Deservedly one of the most popular among rose-pink varieties. Immense flowers are slightly tinged with yellow at base of petals. Long, strong stems. Flowers, of great substance and fine lasting qualities, possess delightful fragrance.

RADIANCE—One of the most gorgeous American sorts as yet introduced. The large, finely formed flowers are silvery-pink and very brilliant. Free bloomer and sturdy grower.

RED RADIANCE—A clear red form of the popular Radiance Rose.

SOUV. DE CLAUDIUS PERNET—Another season's reports from all sections see this peerless rose emerge triumphantly as the most dependable golden-yellow garden rose of today. It is equally charming in bud, or while opening, and after fully blooming. The plants grow freely, and produce flowers liberally.

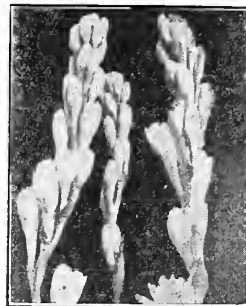
DUCHESS OF WELLINGTON—Enormous tapering buds of golden-orange, slowly opening to very large saffron-colored flowers; sweetly scented; of great size and substance.

MISS CYNTHIA FORDE—Bright rose-pink with lighter pink reflex, and with a distinct line of yet lighter pink on the edges of the pointed petals. Sweetly scented blooms and very durable.

ETOILE DE FRANCE—A grand deep red rose which blooms all summer. Flowers are large, full velvety-crimson and richly fragrant.

For prices, see head of left hand column.

Gentlemen,—The rosebushes and bulbs I purchased from you this fall are wonderful. November 7, 1928. MRS. A. M. RICHARDSON, Harve de Grace, Md.



Tuberosa

Mammoth Size Double Pearl Tuberoses

Culture—One of the most fragrant and popular of the summer flowering bulbs. May be started early in hotbeds or pots, or planted in open ground after first of May. The bulbs we offer are not to be compared with cheap ones—ours are sure bloomers. Soaking them over night in lukewarm water promotes rapid growth. 3c each; 50c dozen; \$3.25 per 100, postpaid (for postage add 5c each or 25c dozen).

Hardy Japanese Garden Lilies

No garden should be without some of these Queens of Flowers. They are perfectly hardy and can be planted in the late fall or early spring. Very seldom they are ready for delivery before early part of December. Plant 6 to 8 inches deep, in sour soil, putting a little sand under the bulbs and dusting them with powdered sulphur and some lime, will insure success.

AURATUM (Goldbanded Lily)—Large, graceful flowers, composed of six petals of a delicate ivory-white, thickly studded with chocolate-crimson spots and striped through the center by a golden yellow band. 35c each; \$3.50 per dozen.

HENRYI (The Yellow Speciosum)

—A new rare and very beautiful Lily from China. It is very hardy, a strong healthy grower, and without doubt one of the best Lilies for garden culture and most effective for massing. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each, the color, a rich apricot-yellow, lightly spotted with brown, and the shape and size of the flowers and the habit of growth has suggested the name "Yellow Speciosum." 50c each; \$5.00 per doz.



Japanese Lily, Auratum.

SPECIOSUM RUBRUM, or ROSEUM—White, heavily spotted with rich, rosy-crimson spots. 50c each; \$5.00 per dozen.

IMPROVED TIGER LILY (Single or Double)—The grandest of the Tigers. Very large pyramids of flowers, orange red, spotted with black, 3 to 5 feet high. Blooms in August. 35c each; \$3.00 per dozen.

MELPOMENE—White spotted crimson. 50c each; \$5.00 doz.

MAGNIFICUM—Rich crimson. 50c each; \$5.00 doz.

Lady
Ashtown.

M.-S. Hardy Climbing Roses

LADY ASHTOWN—The best Climbing Hybrid Tea Rose, producing immense crop of very large, soft rose-colored flowers in June, and continues to bloom monthly until the end of the season.

GARDENIA—Buds bright yellow, opening double flowers of cream color.

CLIMBING AMERICAN BEAUTY—Of the same color and fragrance as the popular variety whose name it bears. It is a wonderfully free bloomer and an exquisite variety. An early bloomer, flowers being borne either singly or in clusters of three. Of fine form and fragrance.

DR. W. VAN FLEET—Delicate, shell-pink, mildly perfumed flowers are produced abundantly. The charming buds are large and pointed, while the open blooms are large and most attractive.

PAUL'S SCARLET CLIMBER—A very fine English sort, of recent introduction. It surely has won a place for itself, with its large, brilliant scarlet flowers produced in glorious profusion. Though but semi-double, the flowers are of surprisingly large size and borne long after the June bloomers have seen their day. Winner of many highest awards.

SILVER MOON—Its buds are exquisite in form and color; its many semi-double flowers are very pretty and decorative, opening a soft nankeen yellow quickly changing to pure silvery white; four inches or more in diameter and slightly perfumed.

EXCELSA (Red Dorothy Perkins)—Brilliant crimson. Has the vigor and profuse blooms of the Dorothy Perkins, and its double flowers of good size are borne in clusters of thirty to forty each. An improved Crimson Rambler.

MARY WALLACE—Flowers bright clear rose-pink with salmon base to the petals.

In 6-inch pots, not sent parcel post. Express only. \$1.25 each.

Special all 8 for \$9.00.

Rock Garden Plants

ARABIS (Rock Cress)—Pure white. 25c each; \$2.00 dozen.

IBERIS (Candytuft)—White, lilac. 25c each; \$2.50 dozen.

PHLOX (Moss Pinks)—White, lavender, pink. 25c each; \$2.00 dozen.

WIZARD BRAND SHEEP MANURE—

Apply 1,000 lbs. per acre. For garden, lawn or greenhouse use. This is where you get a whole cart load of manure in a 100-lb. bag at a much lower figure. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$1.75; 100 lbs. \$3.00; 500 lbs. \$13.50; 1,000 lbs. \$25.00; per ton, \$47.50.

Hardy Hedges

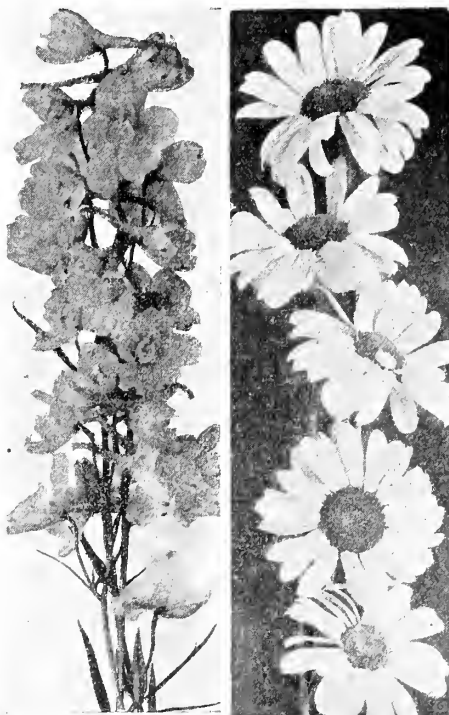
NEW RED BARBERRY—Rich, lustrous, bronzy red foliage, changing in fall to vivid orange, scarlet and red. Similar to green leaved variety but more brilliant and effective. All that is required to develop its brilliant coloring at all seasons is that it be planted in full exposure to the sun. 75c each; 6 for \$4.00; 12 for \$7.50; postpaid, 85c, \$4.25, \$8.00, respectively.

JAPAN BARBERRY—Valuable as specimen plants or for hedges. Drooping yellow flowers followed by bright red berries. Foliage changes to fiery crimson in autumn. 12 to 18 inches, 25c each; 3 for 72c; 12 for \$2.40, postpaid; \$12.00 per 100 not postpaid. 18 to 24 inches, 35c each; 3 for \$1.00; \$3.50 per dozen, postpaid; \$20.00 per 100 not postpaid.



California Privet.

CALIFORNIA PRIVET—Cheaper than fences, far more beautiful. The most popular ornamental hedge plant (25 and 50 at 100 rate). Hedge plants are set 6 inches apart, viz.: a 50-foot hedge requires 100 plants. 12 to 18 inches, 75c per doz., postpaid; \$4.00 per 100; \$30.00 per 1,000, not postpaid. 18 to 24 inches, \$1.00 per doz., postpaid; \$6.00 per 100; \$40.00 per 1,000, not postpaid. 24 to 36 inches, \$1.25 per doz., postpaid; \$8.00 per 100; \$60.00 per 1,000, not postpaid.



Delphinium Belladonna. Shasta Daisy.



Columbine Agneuega.

Hardy Perennial Plants

For parcel post, add 5c per plant; dozen lots, 25c.

COLUMBINE (Long Spurred)—Hardy. Graceful flowers, freely produced on long stems. We offer an extra fine long spurred strain. Yellow, blue and mixed. 25c each; \$2.00 per dozen.

DOUBLE HOLLYHOCKS—Hardy. Straight towering spikes a mass of waxy flowers. Select from colors: White, maroon, pink, red and yellow. 25c each; \$2.00 per dozen.

DELPHINIUM (Belladonna)—The most attractive bold and meritorious flower we have. The immense spikes of brilliant shades of blue produce the most striking effect in the flower garden. 25c each; \$2.00 per dozen. (Bella Mosa)—Dark Blue, 25c each; \$2.00 per dozen.

SEASTA DAISY—Hardy. Pure white with gold center, petals very long and center soft and velvety. 25c each; \$2 per doz.

HARDY ORIENTAL POPPY—Enormous large flaming red flowers. Striking. 25c each; \$2.25 per doz.

GAILLARDIA (Blanket Flower) Grandiflora—12 to 18 inches. Flowers have red centers, with rings of crimson, maroon, orange or vermillion and are tipped with orange or lemon. 25c each; \$2.00 per doz.

TEIOTOMA (Red Hot Poker Plant) Pitzeri—Blossoms freely, from August to October, with spikes 3 to 4 feet high of a rich orange-scarlet. Hardy with protection. Each 30c; doz. \$2.50.

DIGITALIS (Fox Glove)—Pink, purple, white and mixed colors. 25c each; \$2 doz.

PINKS—Pink, red, white. 25c each; \$2.00 doz.

CANTERBURY BELLS—Pink, white, blue. 25c each; \$2.00 doz.

GYPSOPHILA (Baby's Breath)—Single white. 25c each; \$2.00 doz.

DAY LILY—Yellow, very fragrant. 25c each; \$2.50 dozen.

PYRETHRUM—Hybridum double rose. 25c each; \$2.25 dozen.

SWEET WILLIAM—Red, white and mixed colors. 25c each; \$2.00 dozen.

PRIMROSE (English Cowslip)—30c each; \$3.00 dozen.

Hardy Garden Phlox

BRIDESMAID—Pure white with large crimson eye.

RHINELANDER—Beautiful salmon pink.

CHAMP'S ELYSEE—Bright rosy magenta.

LOTHAIR—Bright crimson.

MISS LINGARD—Earliest pure white.

MRS. CHARLES DOOR—A beautiful shade of lavender.

All 25c each; \$2.00 dozen.

Popular Hardy Shrubs and Vines



Buddleia (Butterfly Bush).

ABELIA GRANDIFLORA — White, heather-like flowers, tinted lilac. 60c; postpaid, 70c.

ALTHEA — Double red, pure white, or pink; extra fine. Strong plants, 60c; postpaid, 70c.

BRIDAL WREATH (Spirea Van Houttei) — Beautiful foliage at all times and a fountain of arching snow-white blooms during May and June. Very popular. 2 to 3 ft., 30c; 40c postpaid. 3 to 4 ft., 50c; 60c postpaid.

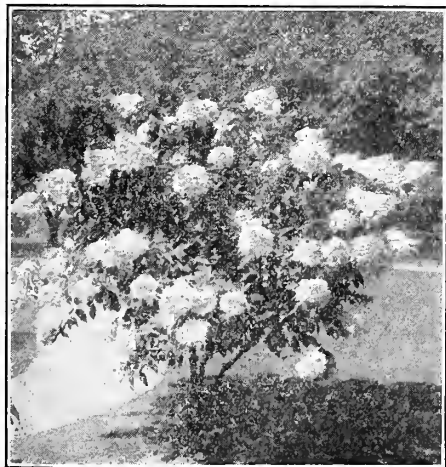
BUDDLEIA or Butterfly Shrub — Magnifica — The long, graceful and exquisitely fragrant spikes of flowers are of a pleasing, rich violet-rose and are produced in profusion from early June until late autumn. Splendid large plants, 2 year, 50c; postpaid, 60c.

COMMON SNOWBALL BUSH — An old-time favorite. Pure white flowers in dense clusters which look like balls of snow; very attractive. Large plants, 60c; postpaid, 70c.

JAPANESE SNOWBALL — 75c; postpaid, 85c.

CREPE MYRTLE — Blooms in profusion during the late summer. Pink. 4 to 5 ft., \$2.00.

DEUTZIA — Well known profuse flowering shrub, blooming in spring and early summer. White, or pink, double flowers. Prices: 2 to 3 ft., 50c each; 60c postpaid.



Hydrangea paniculata.

GOLDEN BELLS (Forsythia Fortunei) — The first shrub to bloom in the spring, the pendant golden bells appearing before the leaves. 2 to 3 ft., 50c; postpaid, 60c.

HYDRANGEA PANICULATA — Height from 4 to 8 feet; perfectly hardy in all parts of the country. White flowers, turning to pink, borne on immense pyramidal panicles nearly a foot in length from July until November. Price, strong plants, 2 to 3 ft., 60c; postpaid, 70c.

HYDRANGEA ARBORESCENS — Blossoms large, pure snow-white. Blooms from early in June through August. 2 to 3 ft., 60c; postpaid, 70c.

LILAC, PURPLE — An old-time favorite that will always remain popular. Flowers fragrant. 2 to 3 ft., 50c each; 60c postpaid.

LILAC, WHITE — Identical with the purple variety excepting that the flowers are white. 2 to 3 ft., 50c each; 60c postpaid.

MOCK ORANGE (Philadelphus) — An old favorite. Flowers cup-shaped, very fragrant, pure white. 50c each; postpaid, 60c.

PINK BUSH HONEYSUCKLE — Beautiful pink blossoms. Very attractive. Blooms in May and June. 2 to 3 ft., 50c; postpaid, 60c.

SWEET-SCENTED SHRUB — The flowers when fully open are about the size of a silver dollar, of a mahogany brown color. Strawberry-scented. Should be in every planting. Price, \$1.00, not postpaid.

SPIREA ANTHONY WATERER — Begins to bear flat clusters of rosy-red flowers early in spring and continues in bloom until late in autumn. 60c each; 3 for \$1.70.

WEIGELA — One of the most conspicuous shrubs that we cultivate; flowers either pink, red or white, dwarf, adapted to lawns or gardens. 2 to 3 ft., 50c each; price, postpaid, 60c.

TAMARIX AFRICANA (Tamarisk) — Strong, slender, tall-growing irregular shrubs, with feathery foliage and small, delicate flowers borne profusely on gracefully bending branches. These pink flowers are very attractive during May. 60c each; postpaid 70c.

YUCCA (Adam's Needle) Filamentosa — Among hardy ornamental foliage and flowering plants, this can be classed at the head of the list. Its broad sword-like foliage and 5 to 6 feet tall, branched spikes of large, fragrant, drooping, creamy-white flowers during June and July make it an effective plant for all positions. 50c; postpaid 60c.



Weigela.

HARDY VINES FOR TRELLISES, ETC.

BOSTON IVY — Most popular climbing plant for brick or stone walls, buildings, trees, fences, etc. Clings to smoothest surfaces. Strong plants, 2 to 3 ft., 50c each; 60c postpaid.



Deutzia.

SWEET-SCENTED CLEMATIS PANICULATA — Most satisfactory climbing flowering plant, strong, rapid growth, dense, cheerful green foliage. Flowers in great profusion, creamy white color, very fragrant. 2-year, 50c; postpaid, 60c.

HARDY PURPLE WISTERIA — Vigorous, strong-growing vine, lovely, rich violet-blue flowers, deliciously sweet. 2-year grafts, 75c; postpaid, 85c.

CLEMATIS JACKMANII — Popular, rich purple.

CLEMATIS HENRYI — White.

CLEMATIS EDOUARD ANDRE — Rosy carmine.

All 3 above large flowering Clematis.

Price, each, 90c each; \$1.00 postpaid.

HARDY JAPANESE KUDZU VINE (Pueraria Thunbergiana), "Jack and the Bean Stalk" Vine — A vine that will grow anywhere in the best or poorest soil. Remarkable and rapid, often making a growth of 50 to 75 feet in one season. Fragrant purple flowers; invaluable for covering porches, etc. Strong plants, 50c; postpaid, 60c.

(Hardy Vines Continued on Next Page)



Boston Ivy.

DUTCHMAN'S PIPE VINE (*Aristolochia Sipo*)—Singular brownish-color flowers, resembling in shape a pipe. Flowers little value however compared to light green leaves, which are very large and retain color from early spring to late fall. 2 to 3 ft. plants, 75c; 85c postpaid.

HONEYSUCKLE MONTHLY FRA-GRANT—Flowers pale purple outside, whitish beneath. 2-year plants, 50c; 60c postpaid.

MADERIA VINE—Heart-shaped leaves, feathery flowers, delicious fragrance. Here is what you want if a quick growth is desired. Roots, 10c; 3 for 25c, postpaid.

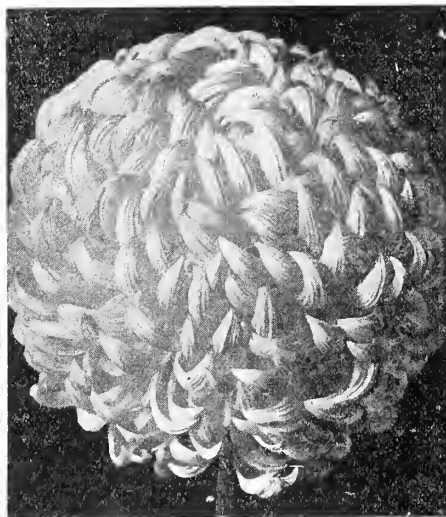
MATRIMONY VINE (*Lycium Barbarum*)—A dense growing climber, somewhat shrubby in nature. In late summer the small purple flowers are followed by a crop of red berries, which remain until late winter. Extra heavy plants, 50c each; postpaid, 60c.

Hardy Chrysanthemums

ANGELO (Large Flowered)—A beautiful light pink.

BELLE MAUVE (Large Flower)—Mauve color; first-class variety, blooms early, free blooming.

BONZE BEAUTY (Large or Aster-Flowered)—Latest bronze. One of the very best.



Bronze Beauty.

MARIE DUPONT (Large Flowering)—One of the very best varieties producing white flowers.

MRS. NELLIE KLERIS (Large Flowering)—A fine incurved, clear pink. An exceedingly fine sort.

OCONTO (Large Flowering)—A Japanese variety with white flowers, on a strong, stiff stem. Early.

PROVENCE (Aster Flowered)—Creamy-pink, with lemon center. Early.

TINTS OF GOLD (Large Flowered)—The earliest bronze to bloom. An exceedingly fine sort.

WHITE DOTY (Large Flowering)—A pure milk-white. Mid-season.

DELMAR (Pompon)—Rose-pink. Early; dwarf growing. A beautiful sort.

GOLDEN CLIMAX (Pompon)—Orange-yellow; one of the finest of the many yellows, possessing every necessary qualification.

JULIANA (Pompon)—Mid-season; large, yellow, button-like flowers.

MODEL OF PERFECTION (Pompon)—Vigorous, free blooming, white.

MRS. W. H. HARRISON (Pompon)—Early; wonderfully refined, loosely arranged pale-pink button.

Price, each, 20c; postpaid 25c. Assortment of six, your selection, for \$1.10; postpaid \$1.20. 12 for \$2.00, postpaid \$2.10.

NURSERY DEPARTMENT

Shade and Ornamental Trees

Catalpa Bungeii (Umbrella Tree)—5 to 6 ft., \$4.00.

Dog Wood (White)—5 to 6 ft., \$3.50.

Dog Wood (Red)—2 to 3 ft., \$4.00.

Elm, American—8 to 10 ft., \$2.50.

Maple, Norway—8 to 10 ft., \$4.00.

Maple, Red—8 to 10 ft., \$4.00.

Maple, Silver—8 to 10 ft., \$2.50.

Maple, Sugar—8 to 10 ft., \$3.50.

Magnolia, Pink—3 ft., \$3.50.

Oak, Pin—8 to 10 ft., \$3.50.

Oriental Plant—7 to 8 ft., \$1.75.

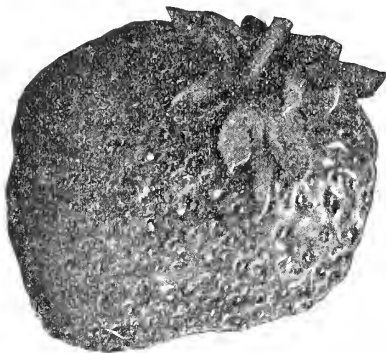
Peach, Double Flowering—4 to 5 ft., \$2.00.

Poplar, Carolina and Lombardy—8 to 10 ft. each, \$1.50.

Poplar, Tulip—8 to 10 ft., \$3.00.

Sweet Gum—8 to 10 ft., \$3.00.

Willow, Golden and Weeping—8 to 10 ft., \$2.50.



Strawberries

Extra Early Varieties—Charles I and Premier.

Second Early Varieties—Senator Dunlap and Dr. Burill.

Medium Late Varieties—Bun Special, Eaton, Gibson and Wm. Belt.

Very Late Varieties—Aroma, Brandywine and Pearl.

Price on any of the above: 50c doz.; 75c for 25; \$1.25 for 50; 100, \$1.75, all postpaid. 1,000, \$10.00 at our store or express collect at customer's station.

Everbearing Varieties—Champion and Progressive. 7c doz.; \$1.00 for 25; \$1.75 for 50; \$3.00 per 100, all postpaid. 1,000, \$17.50 at our store or express collect at customer's station.

Raspberries

(Extra Strong Plants)

Raspberries should be carefully staked to get large crops. We recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the Fall or early Spring.

Columbian—Fruit very large, often an inch in diameter; color dark red, bordering on purple.

St. Regis—Everbearing Raspberries. They yield their first crop of berries in June (the regular season), and yields an equally heavy crop the latter part of August, and continues bearing right up to November.

The above—30c each; \$2.00 dozen.



Houghton Gooseberries.

Gooseberries, Blackberries, Currants

Gooseberries, Downing Green and Houghton Pale Red—40c each; \$3.50 per dozen.

CULTIVATED BLACKBERRIES—Popular varieties, 25c each; \$2.00 dozen.

Currants, Cherry, Bright Red, Fay's Prolific, Dark Red and Red Cross, 40c each; \$3.50 per doz.



Retinospora Plumosa.

SELECTION OF M.-S. EVERGREENS

Arborvitae American, Firs, Balsam and Nordmans. Junipers, Irish and Japanese. Pine, White, Scotch and Austrian. Retinosporas, Plumosa, Plumosa Aurea and Squarosa. Spruce, Norway and Colorado Blue. Small trees, \$2.50. Larger trees, price as to size and variety.

Nut Trees

Almonds, Hard and Soft Shell—4 to 5 ft., \$1.50.

Walnut, American Black—8 to 10 ft., \$2.50.

Walnut, Japan—10 to 12 ft., \$3.50.

Plums

Abundance—Amber, turning to cherry color. Ripens in August.

Burbank—Orange yellow, overlaid with red.

Green Gage—Yellowish green, small fruit. Extra Strong Trees, 75c each.

TREE SPRAYING, TRIMMING, ETC.

Write for Prices on Larger Quantities.

We are now in position to estimate on and execute work like ornamental tree work, tree surgery, pruning, spraying for insects and fungi diseases, cavity treatment by filling with sectional cement, the treatment of split and weak crotches and limbs by bolting and chains, and cultural treatment.

Sent via Express or Freight Only.

Grapes

CACO (Red)—This new red grape has the most delicious flavor and is of the highest quality of any grape that we have ever tested. It is one of the earliest grapes in ripening. It has a peculiar characteristic not common to other grapes in that, on account of its being so rich in sugar and excellent in flavor, it can be eaten with enjoyment fully two weeks in advance of its being fully ripe. In appearance, it is the most beautiful of hardy grapes, wine red in color with abundant bloom. The berries are unusually large, bunches of good size, compact and of good form. The vines are very strong, vigorous growers, hardy, healthy and prolific. This variety is a cross of the two well-known grapes, Catawba and Concord, and is said by expert grape growers to have all the good qualities of both these varieties without the defects of either. Ripens early in September.

Strong, 2-year vines, \$1.00 each; \$10.00 dozen.

CATAWBA—The standard red grape of eastern America. The vine is vigorous, hardy, and productive. Clusters large, long, and broad. Berries of medium size, dull purplish-red with thick bloom; firm.

CONCORD—Best known and most popular variety in America. It succeeds practically everywhere. Its large black berries are borne in large bunches and, being covered with a decided bloom, they are of most attractive appearance. Of good quality.

NIAGARA—The most popular white grape, and destined to become more highly valued as time passes. Cluster large and compact; berry large, amber white with white bloom, thin skinned, tender pulp, sweet and luscious. Ripens in mid-season with Concord.

Any of the above three 2-year-old stock, 50c each; \$5.00 doz.

GRAPE PROTECTING BAGS—See Page 64.

Apricots, Nectarines, Peaches, and Quince

Trees such as we furnish will often bear the year after they have been set out.



Crawford's Early—Large, yellow with red cheek; flesh yellow, juicy, sweet and good. Middle of August.

Elberta—Mid-season. Fruit large. Yellow with deep red cheek. Best known and most largely grown peach.

Late Crawford (Yellow, Freestone)—A peach of high quality and richness in flavor that ought long to remain one of the treasures of the home garden. The trees are hardy, vigorous and healthy, but it had to give way as a commercial peach to Elberta because it lacks somewhat in productiveness and is a little tardy in coming into bearing. Fruit large and very handsome, deep yellow blushed and splashed with dark red. Ripens here the last of September.

Extra Strong Trees, 5 to 6 feet high, 75c each; \$6.00 doz.

Apricots—4 to 5 feet, \$1.50.

Nectarines—5 to 6 feet, \$1.25.

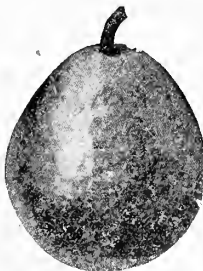
Quince—5 to 6 feet, \$1.50.

TO HAVE FRUIT TREES IN PERFECT CONDITION, SPRAY 3 TO 4 TIMES EACH YEAR.

Standard Pears

Bartlett—The most popular pear both for home use and market, a leader among canning pears, commands top prices. Should be in every garden and orchard. Large, golden yellow with reddish blush on the sunny side. Flesh tender, melting and juicy, with a delicious musky flavor. Tree vigorous, an erect grower, bears abundantly. Ripens in September.

Seckel—The small size and peculiar, rich, juicy flavor of this variety make it a most desirable variety for pickling and preserving. It is generally conceded to be the sweetest of all pears and is greatly prized as a dessert fruit to eat fresh out of the hand. Although small in size it is very attractive in appear-



ance, being of a russet-yellow color with a bright red cheek. It is very prolific. Every home orchard should have a tree or two of this excellent variety. In season in September and October.

The above extra strong trees, 5 to 6 feet high, \$1.00 each; \$10.00 doz.

Apples

McIntosh—The fruit is very attractive in appearance, of bright deep red color, which in highly colored specimens is almost purplish-red overspread with a thin lilac bloom. Fruit above medium in size, with white, firm, very crisp flesh, fine-grained, tender, very juicy. Sprightly subacid in flavor with a characteristic perfume and aroma. The tree is rather a strong grower, very hardy and healthy.

Baldwin—Large, roundish; deep bright red; very productive; handsome fruit.

Grimes' Golden (Grimes' Golden Pippin)—Of the highest quality; deep golden yellow, aromatic, spicy and rich. Tree vigorous and productive.

Rhode Island Greening—Commonly called by the simple name of Greening. As a cooking apple it is unsurpassed, and as a dessert fruit of its season, has few equals. It is a good variety to grow with Baldwin in commercial orchards, because, being a little earlier in season, it can be picked and marketed before it is necessary to pick Baldwin. The fruit is large, yellowish-green, often with a dull blush.

Northern Spy—An old-time favorite with a distinct flavor that appeals to those who like a brisk spicy apple that is not actually sour. One of the leading commercial varieties. The fruit is large and attractive, being of bright red color, overspread with a delicate bloom. The flesh is very juicy, crisp, tender, and most excellent for either dessert or culinary purposes. An excellent keeper. It is too tender and juicy for evaporating. May be slow to come into bearing, but has been known to bear paying crops in seven years. Bears moderate to heavy crops, biennially, or almost annually. Being a late bloomer, it sometimes succeeds when others fail from late frost damage.

Any of the above in 5 to 6 ft. trees, \$1.00 each, \$10.00 dozen.

Cherries

Black Tartarian—The favorite home garden sweet cherry. Best for table use. Produces immense crops of heart-shaped cherries, bright, glossy, purplish black. Flesh tender, juicy, rich, and of best quality. Ripens middle of June.

Yellow Spanish—We highly recommend this variety for the home garden on account of its earliness, beautiful appearance and delicious flavor. Ripens in June.

Montmorency (Sour)—The most largely planted of the sour varieties. Light red, very acid; popular for pie making.

No. 1 trees, \$1 each; \$10.00 doz.

Garden Guide

A complete Handbook for the Amateur Gardener
Fourth Edition

384 pages and over 275 teaching illustrations with beautiful cover in four colors.

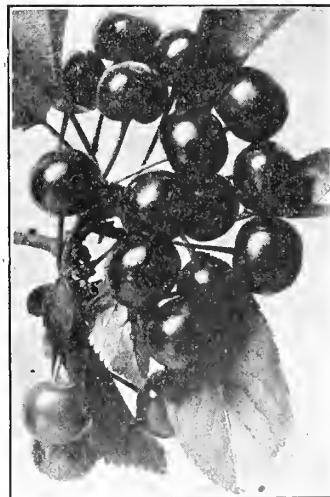
Covers every step from spading the ground to preserving the harvest.

Price, cloth bound, \$1.50; postpaid, \$1.65.

Paper bound, \$1.00; postpaid, \$1.10.

Books on Gardening, Fruit Growing, Landscaping, etc. Complete circular sent on request.

Do not neglect to feed the plants in your garden; fruit trees, berries, etc., as well. WIZARD BRAND SHEEP MANURE is the ideal food, and it will also add the much needed Humus to your soil.



Black Tartarian Cherries.

All Prices Subject to Change.

INSECT DESTROYERS

All Prices Subject to Change.

Antrol

Ants Destroyed in Their Nests—New method "gets" them at their source—Safe, Permanent, Effective. Prices: Antrol sets containing 4 containers and 1 4-oz. bottle of syrup, \$1.00; Antrol extra containers (each), 15c; Antrol syrup, 4 oz. bottle, 50c; pints, \$1.00; gallons, \$4.00.

AGRI-PAX CONTACT INSECTICIDE—Kills insects surely, economically. No foliage injury. Stainless. Non-poisonous. Spreads evenly, completely. Does not corrode. Does not settle or clog nozzle. Recommended by florists and market gardeners. ½ pint 40c; 1 pint 60c; 1 quart \$1.00; 1 gallon can \$3.50; 5 gallon pails, \$10.00. Special prices in large quantities.

ALL-IN-ONE DUST No. 6—A combination of nicotine and poma dust. 1 lb. 75c.

A-1 DUST No. 2—A good cure for Aphis and Plant Lice. 1 lb. 60c.

ARSENATE OF LEAD (Sherwin Williams)—Direction for using in each package. ½ lb. 20c; 1 lb. 30c; 4 lbs. \$1.00; 100 lbs. \$20.00.

ARSENATE OF CALCIUM—1 lb. 30c; 4 lb. \$1.00; 100 lb. \$15.00.

ARSENATE OF ZINC—1 lb. 30c; 4 lbs. \$1.00; 100 lbs. \$22.00.

ANSECT (Rose Bug Destroyer)—Dilute one part in 30 parts of water. Do not spray in bright sunlight. Gal. \$6.00; qt. \$1.75.

BEE BRAND INSECT POWDER—Kills all kind of bugs. Can be used in garden and house, on poultry and animal, etc. Pkg. 15c, 35c and 70c, postpaid; 5 lbs. \$3.00. Duster for same, 15c.

BORDO FUNGI (Same as Bordeaux Mixture) (Sherwin Williams)—Full direction with each package. 1 lb. 30c; 4 lbs. 80c; 100 lbs. \$15.00.

BLACK FLAG INSECT POWDER—Best for all kind of insect pest in house and garden; three sizes. 15c, 35c, 75c, postpaid.

BLACK LEAF 40—Per 1 oz. bottle 35c; \$1.25 per ½ lb.; 2 lbs. \$3.25; \$11.85 per 10 lbs.

FISH OIL SOAP—35c per lb.; 5 lbs. \$1.25; 10 lbs. \$2.00.

GRAPE DUST—For mildew and blight. Per 5 lbs. 75c.

DERRISOL, ODORLESS (Non-Poisonous Contact Spray)—Use one teaspoonful to 1 gallon of water. Kills plant lice, flies, leaf hoppers, thrip and red spider. 1 oz. 35c; ½ lb. \$1.20; 1 lb. \$2.00; 2 lbs. \$3.00; 10 lbs. \$12.00.

D-6 DUST No. 3—To prevent diseases in the vegetable garden. 1 lb. 45c.

D-20 DUST No. 5—A combination fungicide and insecticide for chewing insects on vegetables. 1 lb. 50c.

ENTODUST No. 1—A good poison to kill insects on flowers, shrubs, trees and vegetables. 1 lb. 40c.

**M.G.K.
EVER GREEN**
NON-POISONOUS INSECTICIDE

cucumber beetle, cabbage worm, asparagus beetle, tent caterpillar, rose chafer and slug, squash beetle, Mexican Bean beetle, Japanese beetle, ants, black fly and many others.

Non-Poisonous—Harmless to humans, livestock, birds and pets. Kills only insects. Safe to use and have in the home.

Mailable—Being non-poisonous Ever Green may be sent through the mails.

1 oz. bottles, 35c; 6 oz. bottles, \$1.00; 16 oz. bottles, \$2.00; 32 oz. tin, \$3.50; 1 gal. tin, \$13.00.

HELLEBORE—Per ¼ lb. 25c; 40c per ½ lb.; 1 lb. 70c; \$3.00 per 5 lbs.

KAYLOX—Is an insecticide and fungicide combined in powder form, it mixes readily with water, is very effective against all leaf eating insects.

½ Pound \$0.30 5 Pounds \$2.50
1 Pound55 10 Pounds 4.50

KAYSO—A combined casein spreader and adhesive to be added to spraying material. 2 lbs. 50c; 10 lbs. \$2.10; 50 lbs. \$9.50; 100 lbs. \$18.00.

LEMON OIL INSECTICIDE—Per ½ pt. 35c; 60c per pt.; qt. \$1.00; \$1.75 per ½ gal.; gal. \$3.00; \$12.00 per 5 gal.; 10 gal. \$22.50.

MAG-O-TITE—Protects crops against the ravages of the root maggot and other garden pests; also eradicates earth worms from lawns and putting greens. 1 lb. 50c; 5 lbs. \$1.50.

LIME SULPHUR (Liquid)—1 qt. 40c; 1 gal. \$1.00; 5 gals. \$3.00; 10 gals. \$5.00; 50 gals. \$12.00. Drums not returnable.

DRY LIME SULPHUR (Sherwin Williams)—Full directions with each package. 1 lb. 30c; 5 lbs. \$1.25; 10 lbs. \$2.55; 25 lbs. \$3.75; 50 lbs. \$6.50; 100 lbs. \$11.50; 200 lbs. \$20.00.

NICO-FUME (Liquid)—¼ lb. 75c; \$2.00 per lb.; 4 lbs. \$6.25; 8 lbs. \$11.50.

NICO-FUME TOBACCO PAPER—Per box 24 sheets, \$1.25; \$5.00 per 144 sheets; 288 sheets, \$8.75.

NICOFUME TOBACCO POWDER—1 lb. \$1.00; 5 lbs. \$3.75; 10 lbs. \$6.85.

FUME TOBAC—For fumigating greenhouses. 50 lbs. \$8.25; 100 lbs. \$15.25.

PARA DICHLOOROBENZENE or CRYSTAL GAS—Controls peach borers, use in June and September, 1 oz. to each tree. 1 lb. 50c; 5 lbs. \$2.00; 10 lbs. \$3.50; 25 lbs. \$7.50; 50 lbs. \$14.00.

PARIS GREEN (Sherwin Williams)—Per ¼ lb. 15c; 1 lb. 40c; 2 lbs. 75c; 5 lbs. \$1.75; 14-lb. kits \$4.50. Price subject to change.

PESTROY (Sherwin Williams)—A combination spray for fruits and vegetables, a mixture of Arsenate of Lead and Bordeaux, very effective, full direction with each package. ½ lb. 25c; 1 lb. 40c; 4 lbs. \$1.25; 100 lbs. \$20.00.

POMO DUST No. 4—Prevents and cures mildew and black spot on roses and other plants. 1 lb. 35c; 5 lbs. \$1.25; 10 lbs. \$2.25; 100 lbs. \$12.00.

PYROX—Kills bugs, prevents blights and rots, and improves foliage. Ideal for the home gardener and truck farmer. Use Pyrox especially for potatoes, other vegetables, small fruits and rose bushes. Treat seed corn with it, and it will keep crows, blackbirds, wire worms and ants and other pests away, also aids germination. Use 5 lbs. mixed with equal quantity of water to 1 bus. of corn. 1 pound makes 4 to 5 gallons of spray; 11 pounds will spray an acre of potatoes once. 1 pound jar 50c; 5 pound drum \$1.75; 10 pound drum \$3.00; 25 pound drum \$6.25; 50 pound pail \$10.75; 100 pound drum \$17.00; 300 pound barrel \$48.00.

RED ARROW INSECT SPRAY—The Powerful Non-Poisonous Spray. Will not stain, burn, or discolor the tenderest leaf or petal. Harmless to man, pets or birds, but deadly to insects. Effective against: Asparagus Beetle, Japanese Beetle, Aphids (plant lice), Cucumber Beetle, Cabbage Worms, Mexican Bean Beetle, and many other insects.

1 oz. 30c
½ pt. \$1.75
1 qt. \$6.00
1 gal. \$22.00

**Snarol**

Quickly Kills Garden Pests—Science provides new, safe method that does the work without fuss. Snails, cutworms, slugs, grasshoppers, sowbugs, earwigs, etc., are exterminated. 1 lb. package 50c; 3 lb. package \$1.00; 15 lb. package \$3.75. Special prices quoted on 50-pound bags on request.

SCALECIDE—Used for the destruction of the San Jose Scale. Dilute at the rate of one gallon Scalecide to 15 gallons water. Scalecide does not clog nozzles, hose or pump, and is pleasant to use. Spray during the winter or early spring when the trees are dormant. Qt. 75c; gal. \$1.75; 5 gals. \$6.25; 10 gals. \$10.60; 15 gals. \$15.50; 30 gals. \$26.00; 50 gals. \$38.00. Drums not returnable.

SLUG SHOT (A Non-Poisonous Powder)—Destroys most insects that infest plant life. 1 lb. 20c; 5 lbs. 50c.

SULFOCIDE—A better summer spray. A concentrated liquid sulfur fungicide. Controls scab, brown rot, blight, mildew and rust on vegetables and fruit. Dilute 1-200. 1 pt. 70c; 1 qt. \$1.00; 1 gal. \$2.75; 5 gals. \$8.75; 10 gals. \$15.00; 30 gals. \$39.00; 50 gals. \$60.00.

SULPHUR (Flowers)—Per lb. 15c; 5 lbs. 60c; 10 lbs. \$1.00; 25 lbs. \$2.25; 100 lbs. \$6.00.

SULPHO TOBACCO SOAP—Destroys insects on plants and animals. Pkt. 15c and 25c; 1 lb. 40c, postpaid.

TOBACCO DUST (Special Dusting or Fumigating)—10c per lb.; 5 lbs. 30c; 20 lbs. \$1.00; 100 lbs. \$4.50.

TOBACCO STEMS—Per lb. 5c; 50 lbs. \$1.75; 100 lbs. \$3.00.

TREE TANGLEFOOT—Per lb. 60c; \$2.75 per 5-lb. can; 10 lbs. \$5.25; 25 lbs. \$11.00.

TREE DRESSING FRAMS—For treating cavities, pruning, cuts, etc. 1 qt. \$1.00; 1 gal. \$3.00; 5 gal. \$14.75; 10 gal. \$29.00; 25 gal. \$70.00; 50 gal. \$137.50.

VOLCK is one of the most powerful insecticides known. Kills Aphids, Red Spider, Mealy Bug, Scale, Caterpillars and most all insects, and prevents mildew and rust. Volck does not burn; it is safe to use. Highly recommended to florists. Send for special circular. Price, ½ pt. 50c; 1 pt. 75c; 1 qt. \$1.00; 1 gal. \$3.00; 5 gal. \$12.50; 14 gal. \$25.00; 28 gal. \$40.00.

(Insecticides Continued on Next Page)

CYANOGEN

REG. U.S. PAT. OFF.

FOR KILLING RODENT and INSECT PESTS Rats, Moles, Ants, etc.

Cyanogas Calcium Cyanide is a slate-gray material that gives off hydrocyanic acid gas upon exposure to the air. This makes it extremely easy to apply. The gas is deadly to the rodent and insect pests and will kill them almost immediately. None can escape it. There is no danger to persons handling Cyanogas if reasonable care is used.

Price: 1 lb. 75c; 5 lbs. \$3.00; 25 lbs. \$10.00; 100 lbs. \$30.00.

WHY BUGS LEAVE HOME



VERMINE—For eel, cut worms and wire worms, working in the soil. It can be applied to all vegetation. $\frac{1}{2}$ pt. 40c; pt. 65c; qt. \$1.00; gal. \$3.00.

WILSON'S O. K. PLANT SPRAY—For 20 years the leading insecticide of America, for inside and outside spraying. For aphids, thrip, mealy bug, scale, rose bugs and many other insects. $\frac{1}{2}$ pint. 40c; 1 quart \$1.00; 1 gallon \$3.00; 5 gallons \$12.00.

Cyanogas Dusters

Two general types of Cyanogas Dusters for rodent control. Special hand duster for small infestations, and Foot Pump, small, for large infestations. Used especially for rats and moles.

Prices—Special Hand Duster, \$1.40; Foot Pump, small, \$4.75.

NOT MAILABLE

Give Freight or Express Station When Ordering.

Fungtrogen

FUNGICIDE FERTILIZER
REG. U.S. PAT. OFF.
(Rosenbluth Formula)

making 60 times its volume when diluted with water. $\frac{1}{2}$ pt., 75 cts.; pt., \$1.25; qt., \$2; $\frac{1}{2}$ gal., \$3.50 gal., \$6.

Insectrogen

TRIPLE SERVICE
FUNGICIDE-INSECTICIDE-FERTILIZER

For leaf-chewing insects—caterpillars, slug worms, Japanese beetles, etc., and blights. A powerful fertilizer, too. Use alternately with Fungtrogen. Both carry their own spreader.

4 oz. (sample)	\$0.60	Qt.	\$2.75
$\frac{1}{2}$ pt.	1.00	$\frac{1}{2}$ gal.	4.50
Pt.	1.75	Gal.	8.00

Ferogen

GROUND DRESSING
SOIL STABILIZER AND FERTILIZER

Spring-Summer Ground Dressing and Ground Stabilizer

A valuable plant-food. Reinforces manure fertilizers. Supplies essential chemical elements to the soil.

1-lb. tins.	\$0.75	5-lb. tins.	2.75
2-lb. tins.	1.25	10-lb. tins.	\$4.75

NOTE—A 10-lb. tin of Terogen or Ferogen is sufficient for one application for 30 to 50 rose bushes.

All these preparations are indorsed by leading rosarians and by us
All these sprays are highly concentrated, making 60 times their volume when diluted with water.

THE IDEAL SPRAY FOR ROSES AND OTHER PLANTS Conquers Mildew and Black-Spot. Fertilizes through the Foliage.

A highly concentrated fungicide that conquers Mildew and controls Black-Spot on roses, and diseases of other plants. It is unique in that it contains an important nitrogenous element—Hortogen—that is readily absorbed by the plant through the foliage, and results in stimulating to amazing vigor, luxuriant foliage, and wonderful blooms. This noted invisible spray has received the endorsement of the world's leading rosarians. With it the amateur can attain results heretofore deemed possible only by professionals. Highly concentrated,

Aphistrogen

TRIPLE SERVICE
FUNGICIDE-INSECTICIDE-FERTILIZER

Destroys the destructive aphids in two or three applications. For all plants subject to aphids or plant-lice. Carries the Rosenbluth leaf fertilizer. Splendid for house plants.

2 ozs.	\$0.50	1 lb. (pint)	\$2.25
$\frac{1}{2}$ lb. ($\frac{1}{2}$ pt.)	1.25	2 lbs. (quart)	3.50
		12 lbs. ($\frac{1}{2}$ gals.)	15.00

Terogen

TRIPLE SERVICE
FUNGICIDE-INSECTICIDE-FERTILIZER

Autumn-Winter Ground Dressing and Soil Disinfectant

Terogen destroys the spores of fungi of most diseases—that have fallen to the ground, as well as the larvae of most insects, including the rose pith borers, rose bugs, aphids and most beetles. Terogen also acts as a valuable fertilizer. Makes sturdy, healthy foliage and prevents chlorosis (yellowing of the leaves). In convenient semi-powdered form.

Pound	\$0.75	10 pounds	4.75
2 pounds	1.25	25-lb. drums.	11.00
5 pounds	\$2.75	100-lb. drums.	40.00



Best Fertilizer for Lawns and Gardens Because Manure Builds Up the Soil

WIZARD BRAND SHEEP MANURE—Apply 1,000 lbs. per acre. For garden, lawn or greenhouse use. This is where you get a whole cart load of manure in a 100-lb. bag at a much lower figure. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$1.75; 100 lbs. \$3.00; 500 lbs. \$13.50; 1,000 lbs. \$25.00; per ton, \$47.50.

WIZARD BRAND COW or CATTLE MANURE—Convenient to handle, making it possible for everyone to get this usually scarce article at all times. This is where you get a wagon load of manure in a 100-lb. bag. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.50; 500 lbs. \$16.25; 1,000 lbs. \$30.00; per ton, \$55.00.

For Vegetables, Fruits, Lawns and Flowers
Use Wizard Brand Sheep and Cattle Manure.

SEND FOR FREE CIRCULAR

Fertilizers and Plant Foods

All prices on Fertilizers are subject to Market Changes.

ADCO—Don't waste garden rubbish. Turn it into manure with ADCO. ADCO is a powder which, mixed with almost any non-woody vegetable waste, and kept wet, gradually converts it into manure. 50 lbs. of ADCO make a ton of manure. Price, 150 lbs. \$10.50; 25 lbs. \$2.00.

ASPARAGUS SALT—Applied in spring 600 to 800 lbs. per acre, for destroying weeds. 56 lb. \$1.25; original sack, 140 lbs. \$2.25.

ALUMINUM SULPHATE (For Rhododendrons and Azaleas). 1 lb. 15c; 2 lbs. 25c; 5 lbs. 60c; \$6.25 per 100 lbs.

BLOOD (DRIED)—For indoor and outdoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. Fine for ferns. 1 lb. 15c; 5 lbs. 60c; \$1.00 per 10 lbs.; 25 lbs. \$2.00; \$3.75 per 50 lbs.; 100 lbs. \$7.00; \$12.00 per 200 lbs.

PURE BONE MEAL (3-50)—Splendid article for building up worn-out soil, lawns, etc. 1 lb. 6c; 10 lbs. 50c; 25 lbs. \$1.25; 100 lbs. \$3.50; 200 lbs. \$6.00; ton \$48.00. Quick acting.

RAW BONE MEAL (4½-48)—Free from acid. Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for greenhouses or any purpose where a high-class slow acting fertilizer counts. 1 lb. 6c; 10 lbs. 60c; 25 lbs. \$1.25; 100 lbs. \$3.75; 167 lbs. \$6.00; ton, \$55.00. Slow acting.

BONE FLOUR—Finely pulverized and bolted. Effective immediately. For rose growing this cannot be excelled. Rich in phosphoric acid and ammonia. Apply 600 lbs. per acre. 5 lbs. 50c; 10 lbs. 85c; 25 lbs. \$1.50; 50 lbs. \$2.75; 100 lbs. \$5.00; 200 lbs. \$8.50.

COW MANURE—See next page.

INSECTILIZER—A combined tobacco base insecticide, fertilizer, and mulch. Shredded so that the nicotine and plant food are readily available. Promotes healthier growth, better stems, larger blooms, and richer coloring. Also has high insecticidal value. \$2.75 100 lb.; 5c lb.

F. & I. FERTILIZER AND INSECTICIDE—A ground, tobacco-base fertilizer and insecticide containing fine particles for dusting. F. & I. quickly stimulates healthy growth and protects plant life against insect pests. \$2.75 100 lbs.; 5c lb.

Commercial Prepared Fertilizer

GYPSON or LAND PLASTER—Intensifies the color of roses, other flowers as well. Used for top dressing newly plowed land prior to harrowing; also for sweetening the soil on lawns and fields. Apply 1,000 to 1,500 lbs. per acre. 40c for 10 lbs.; 25 lbs. 60c; \$1.00 for 50 lbs.; 100 lbs. \$1.75; \$2.50 for 200 lbs.

FIBRE PREPARED—Grow your House Bulbs without soil, drainage or saucers. Highly recommended. 1 qt. 10c; 4 qts. 25c; pk. 40c; bu. \$1.15. Parcel post weight, 14 lbs. per bushel.

HUMUS (Leaf Mold)—Fine for lawns, replanting and repotting. 4c lb.; 10 lb. 35c; 50 lb. \$1.50; 100 lb. \$2.50; 500 lb. \$10.00; 1,000 lb. \$18.50, last four sizes delivered. Ton and car load prices on application.

LIME (Hydrated or Powdered)—Promotes growth and gives the grass a rich color. Apply one ton per acre on fields, or ½ ton on lawns. 5 lbs. 20c; 10 lbs. 30c; 50 lbs. \$1.00; 100 lbs. \$1.50; 500 lbs. \$6.00; 1,000 lbs. \$10.00. Ton \$18.00.

MURIATE OF POTASH—Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for potatoes, corn, grains, etc. Analysis, equal to 50 per cent actual potash. 10c lb.; 3 lbs. 25c; 5 lbs. 40c; 10 lbs. 75c; 100 lbs. \$5.00.

NITRATE OF SODA—Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gal. of water and do not apply oftener than twice a week. 10c lb.; 3 lbs. for 25c; 5 lbs. 40c; 10 lbs. 75c; 100 lbs. \$4.50. Price on larger quantities on application.

COMMERCIAL FERTILIZER (Baugh & Armour) 2-8-5—For potatoes and general crop. Ton \$29.00; 165-lb. bag \$3.75; 100 lbs. \$2.75; 50 lbs. \$1.75; 25 lbs. \$1.00.

PERUVIAN GUANO SUBSTITUTE 5-8-5 (Baugh & Armour)—All around high grade fertilizer. Ton \$38.00; 165-lb. bag \$4.50; 100 lbs. \$3.25; 50 lbs. \$2.00; 25 lbs. \$1.25; 6c a lb.

TOBACCO FERTILIZER 4-8-4 (Baugh & Armour)—Ton \$36.00; 165-lb. bag \$4.00.

COMMERCIAL FERTILIZER 1-9-4 (Baugh & Armour)—All around goods. Ton \$25.00; 165-lb. bag \$3.25.

UPLAND WHEAT FERTILIZER 4-16-4 (Baugh & Armour)—Ton \$40.00; 165-lb. bag \$4.50.

LOW LAND WHEAT FERTILIZER 2-16-8 (Armour)—Ton \$38.00; 165-lb. bag \$4.25.

IMPORTED GRANULATED PEAT MOSS TORT MULL FOR YOUR GARDEN

G P M Peatmoss takes the place of manure to a large extent because it is better than manure, is absolutely free of weed seeds, fungus or other undesirable features.

G P M is also a great soil conditioner, it corrects sandy or loamy or clayey soils so that they will hold just the right quantity of moisture and produce better plants.

Also used largely as both a summer and a winter mulch. Information gladly furnished.

Bale of 19-20 bushels, \$3.50.

SPAGHNUM MOSS—For packing plants and growing orchids. Per bale, \$3.25.

Easy-to-Use Fertilizers

All plant growers should remember that plants drink their food, that water-soluble, quickly available fertilizers like Nitrophoska and Floranid give quickest results, while promoting vigorous growth. They are "different" from other fertilizers.



NITROPHOSKA, 15-30-15, a general, all-purpose fertilizer—every ounce available—no waste. Four times stronger than the usual fertilizer. One pound equals 40 pounds of best manure. "A little goes a long way." 1 lb. can 35c; 5 lb. bag \$1.25; 10 lb. bag \$2.20; 25 lb. \$4.00; 50 lb. \$7.00.



FLORANID (Urea)—The most valuable of all plant foods, richest in soluble nitrogen, of which it contains 46%. "It's nitrogen from the air." In solution it is superior to liquid manure—cleaner, more quickly available. 1 lb. can 50c; 5 lb. bag \$1.50; 10 lb. bag \$2.50; 25 lb. \$5.00; 50 lb. \$9.00.

FULTON'S Plantabbs⁵⁶

ODORLESS PLANT FOOD TABLETS

To raise potted plants of amazing beauty, to enjoy a gorgeous garden with a profusion of brilliantly colored blooms, to raise tender succulent vegetables, use Plantabbs! Leading horticulturists and State Agricultural Departments approve them—and we guarantee to refund your money if they fail to benefit your plants when used according to the instructions which come with each package.

A season's supply for your garden costs only \$3.50, 1,000 tablets; other sizes sufficient for potted plants, sell for \$1.00, 200 tablets; 50c, 75 tablets, and 25c, 30 tablets, per package. Postpaid.

STIM-U-PLANT

An All-the-Year Fertilizer for Garden and House Plants.

Prices: Small size, 25c; 100 tablets, 75c; 1,000, \$3.50. Postpaid.

PHOSPHATE, HIGH-GRADE ACID TENNESSEE OR SOUTH CAROLINA ROCK—16 per cent. Apply 1,000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. Price, \$17.50 per ton; 167-lb. bag, \$2.50.

SULPHATE OF AMMONIA—10c lb.; 3 lbs. 25c; 5 lbs. 40c; 10 lbs. 75c; 100 lbs. \$5.00.

SULPHATE OF POTASH—Fine for roses. 10c lb.; 3 lbs. 25c; 5 lbs. 40c; 10 lbs. 75c; 100 lbs. \$5.00.

TOBACCO STEMS—For fumigating, mulching and fertilizing; an excellent top dressing for lawns in winter. 1 lb. 5c; 50 lbs. \$1.50; 100 lbs. \$2.50.

WOOD ASHES (Canadian Unleached Hardwood Ashes)—High in potash. Excellent for roses, grass, etc. Apply in early spring or late fall. 1,000 lbs. to acre. 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$2.50.

SHEEP MANURE—See next page.

For Fertilizer to be sent by parcel post, add 7c for 1 lb. and 1c for every additional lb. Like 1 lb. 7c; 10 lbs. 16c.



Controls "BROWN PATCH", "DAMPING-OFF" and SEED-BORNE DISEASES of

Grains, Field and Forage Crops, Vegetables,
Corn, Potatoes and Flowers

Superior Grain, Better Flowers and Finer Vegetables
Grow from Soil and Seeds Disinfected Against Diseases with Semesan,
Semesan Jr., Semesan Bel and Ceresan.

Circulars treating fully on treatments with the different disinfectants on request.

PRICES FOR SEMESAN

2 ozs.	\$.50	5 lbs.	13.00
1 lb.	2.75	25 lbs.	56.25

PRICES FOR JR. FOR CORN, AND BEL FOR POTATOES

4 ozs. ....	.50	5 lbs.	8.00
1 lb.	\$ 1.75	25 lbs.	31.25

PRICES FOR CERESAN FOR GRAIN SEEDS

8 ozs.	\$.50	5 lbs.	3.00
1 lb. ....	.75	25 lbs.	12.50

100 and 300-lb. containers of each product are available. Prices furnished on request.

SHIPMENTS OF SEMESAN DISINFECTANTS

Under the existing Postal Regulations, the Semesan Disinfectants are classified as poisonous substances and are therefore excluded from the mails. Shipments of them can be made only by express or freight.

Wizard Brand Sheep Manure—

Apply 1,000 lbs. per acre. For garden, lawn or greenhouse use. This is where you get a whole cart load of manure in a 100-lb. bag at a much lower figure, 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$1.75; 100 lbs. \$3.00; 500 lbs. \$13.50; 1,000 lbs. \$25.00; per ton, \$47.50.

Wizard Brand Cow or Cattle Manure (Shredded)—Convenient to handle, making it possible for everyone to get this usually scarce article at all times. This is where you get a wagon load of manure

in a 100-lb. bag, 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.50; 500 lbs. \$16.25; 1,000 lbs. \$30.00; per ton, \$55.00.

Velvety Lawns Luxuriant Shrubs

Now you can have the velvety lawn you have always wanted. Beautiful, bright-colored flowers and luxuriant shrubs. Tender, crisp and delicious flavored vegetables will be yours—If you apply

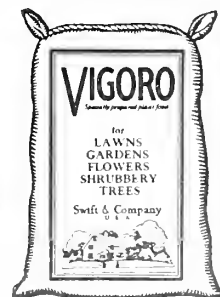
VIGORO

Specially prepared plant food

Odorless, Weedless, Dustless

5-pound Can	\$.50
25-pound Bag	1.75
50-pound Bag	3.00
100-pound Bag	5.00

Packed in paper-lined cotton bags.
If to go by parcel post, add postage.



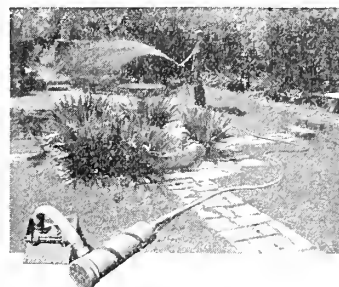
Springfield Rose Food

An organic fertilizer, containing the vital elements of plant life in scientifically correct proportions to make it an ideal food for roses. Will keep your bushes in splendid condition and produce an abundant crop of perfect blooms. **Prices:** 10 lbs. \$1.00; 25 lbs. \$2.00; 100 lbs. \$6.00.

The Vex Automatic Fertilizer

This New and Amazingly Simple Device Transforms Your Hose Into an Automatic High-Pressure Fertilizer.

Makes it Possible for You to Fertilize Your Lawn as You Sprinkle
What It Is—How It Works



The Vex Automatic Fertilizer is simply an enameled brass cylinder 12 inches long and 3 inches in diameter. It has two hose connections. One for the water to enter from the faucet. The other for the water to pass out through your lawn hose—charged with this remarkable grass food.

Into this cylinder is slipped a cartridge of Lawn-Vex—sufficient for 2,400 square feet or a plot 40x60.

This cartridge dissolves to the proper solution as the water passes through the cylinder. Thus an even flow of life-giving food is spread over your lawn as you sprinkle it.

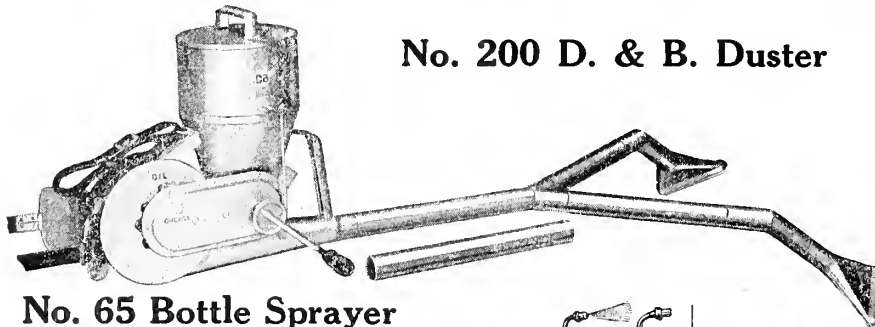
Prices: Containers \$7.50, postpaid.

Cartridges, \$2.00, postpaid.

Beautiful Flowers Better Vegetables

Loma, Lawn and Plant Food

A scientifically prepared plant food for lawns, flowers, shrubbery, vegetables and trees. 5 lbs. 60c; 10 lbs. \$1.00; 25 lbs. \$2.00.



No. 200 D. & B. Duster

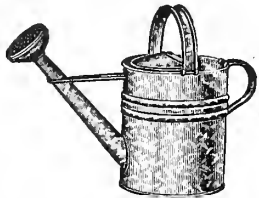
For dusting all vegetable and fruit crops as well as cotton, tobacco, etc. Can be used effectively with any kind of dusting material whether it be heavy, light, sticky, or in lumps. Patented Agitators and Feeding Device prevent hanging up of powder in hopper. Powerful air blast breaks up the powder into fine dust and prevents clogging of outlet. Uniform flow of powder always assured. Capacity, 5 to 10 lbs., depending on powder used. For single or double row. Price, \$14.50; postpaid, \$14.75.

No. 100 D. & B. DUSTER—Like the above, but smaller capacity from 2 to 5 lbs. Price, \$11.25; postpaid, \$11.50.

No. 65 Bottle Sprayer

Adapted to Home Purposes

Made of brass valves, nozzle throws a fine mist spray, is provided with cork and fits any ordinary quart bottle. Nickel plated, of fine appearance. Excellent for spraying disinfectants in homes, schools and hospitals and for plants or spraying flowers. Height: 12½ inches. Price, \$1.25, Postpaid \$1.35.



WATERING CANS
—Made of heavy galvanized iron, removable rose. 4 qt. 65c; 6 qt. 75c; 8 qt. 90c; 10 qt. \$1.00; 12 qt. \$1.25; 16 qt. \$1.50.

LONG SPOUT WATERING POT (Round Pattern)—Equipped with two copper faced roses.

one fine, one coarse, with each can. Can shaped round, made of heavy galvanized iron.

4 quart	\$4.50	10 quart	5.60
6 quart	4.80	12 quart	6.10
8 quart	5.25	16 quart	6.50

**OVAL (FRENCH PAT-
TERN) WATERING POT**
6 qt. \$5.60
8 qt. 6.00
10 qt. 6.50
12 qt. 7.00

**HEAVY TIN, JAPAN-
NED RED WATERING
POTS (English Pattern)**—
3 qt. \$4.75; 4 qt. \$6.00;
6 qt. \$6.50; 8 qt. \$7.00;
10 qt. \$7.50.

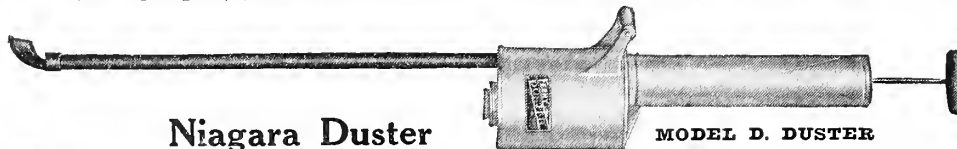
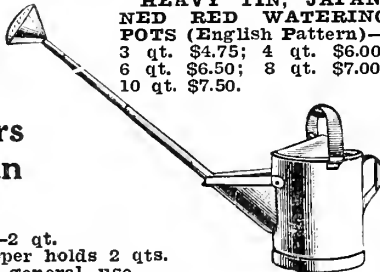
Approved Dusters for Mexican Bean Beetle Control

Model D—2 qt.

50 inches long—Hopper holds 2 qts.

Extra nozzle for general use.

This Duster is efficient, durable and easy to operate and reload. It is equipped with extension tubes and special nozzles for dusting upward from underneath plants and vines. It is the approved type for Mexican Bean Beetle. Price, \$2.50; postpaid, \$2.60.



Niagara Duster

MODEL D. DUSTER

Excellent for dusting flowers, trees, and in poultry houses. Handles Arsenate of Lead, Calcium Paris Green, Sulphur, Pomo Dust, All in One, etc. Price: \$1.25; via post, \$1.35.

Cyanogas Hand Duster—Very efficient. All round duster, \$1.40; postpaid, \$1.50.

Cyanogas Foot Pump—Small, \$4.75. Postpaid, \$5.00.

This Duster is adapted for use with all insect powders. A favorite with the housewife. Powder chamber 1¼ in. diameter, 4 in. long. Pump 1¼ x 12 inches.

Price, 75c; postpaid, 85c.

Duster Brown No. 1



La Motte Soil Teskit

To correctly test your soil, see how sour or how sweet it is, find out what fertilizer is needed. \$1.50 postpaid.

ATLAS NON-POISONOUS WEED KILLER PATENTED DUSTER

Atlas Non Poisonous Weed Killer Duster exterminates all undesirable vegetation including poison ivy, Canada Thistle, Johnson grass, etc., without danger of poisoning humans or animals. Simply shake powder from can on any undesirable vegetation, weeds, grass, etc. Especially recommended for obtaining weed-free driveways, paths, tennis courts and gutters.

DUSTER (kills 300 sq. feet weeds) - - \$1.50 Each
BULK DRY CONCENTRATE
(For making weed killer solution)

Large Cans (Kills 500 sq. ft. weeds) - \$2.00 Each
50 lb. Drums (Kills 5,000 sq. ft. weeds) - 25¢ lb.
200 lb. Drums (Kills 20,000 sq. ft. weeds) - 20¢ lb.

DUSTER (kills 100 sq. feet weeds), 50c; postpaid, 60c.

Fairmount Weed Killer

Destroys vegetation wherever applied. One gallon makes 50 gallons of treating liquid to effectively cover 100 to 150 square yards. For driveways, tennis courts, baseball diamonds and walks, etc. Will not stain marble or stone. For 35 years the successful weed killer. Prices: Qt. 70c; ½ gal. can, \$1.00; 1 gal. can, \$1.75; 5 gal. can, \$7.25; 30 gal. drum, \$33.00; 55 gal. drum, \$55.00.



Molded Braided Garden Hose

The hose we offer is the best. It is guaranteed not to break.

Continuous length braided ½ in. hose. We can furnish any lengths. We can highly recommend this hose. 15c per foot any length without couplings. Furnished also in ½ inch, 1c per foot less, and ¾ inch 1c per foot more.

¾-inch hose, 25 feet coupled, \$3.75; 50 ft. \$7.25; ¾-inch, 1c per foot more; ½-inch, 1c per foot less.

Rubber Hose, Reels, Menders, Etc.

M.S. SPRAYER NOZZLE—Sprinkles like a watering can, or straight stream. Has automatic shut-off. Price, \$1.50.

HOSE NOZZLES—Combined solid stream and spray. 85c each. (Boston Gem.)

RAIN KING NOZZLE—The best yet, \$1.50. 1c per foot.

HOSE MENDERS (Sure Shot)—15c each; 1c per foot.

HOSE COUPLINGS—Brass, regular size, 25c per pair.

HOSE WASHERS—Rubber, regular size, 10c per dozen.

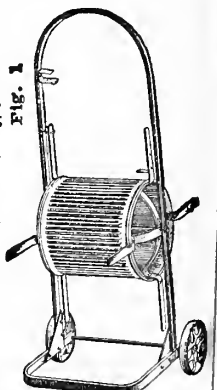
HOSE BANDS—For ¼, ½ and ¾-inch hose. 5c each; 50c per dozen.

HOSE REELS—Victor all steel cap; 75 ft. Price, \$2.50. (Figure 1.)

No. 10 TUBULAR HOSE REEL—Cap. 100 feet. Price, \$4.00.

No. 20 TUBULAR HOSE REEL—Cap. 150 feet. Price, \$5.00.

SIAMSE CONNECTIONS, Regular Size. Each \$1.00.

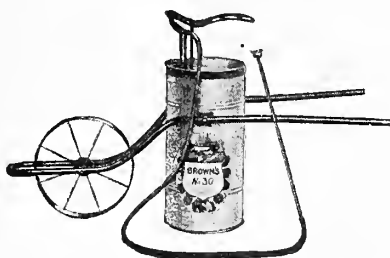


Soiltex

TEST FOR ACID SOIL—DOES YOUR SOIL NEED LIME?
Soiltex Tells What Your Soil Needs. Postpaid, \$1.00.

No. 30D Wheelbarrow Sprayer

A HANDY OUTFIT — LIGHT IN WEIGHT



The frame is steel, strong and durable. The pump may be quickly removed from tank and then the outfit may be used for wheeling water or slops about. Equipped with 8 feet best grade hose and 4-foot extension rod. Cannot be sent by parcel post. Price, \$15.00.

No. 3E Auto Spray

Adaptable to cold water painting, whitewashing, disinfecting tree and garden truck spraying, holds 200-lb. pressure, 12-gallon brass tank and air chamber. This sprayer has an air pressure tank and gauge, which enables it to be operated by one person. After filling the air pressure tank by pumping, a fine spray is produced which lasts for several minutes. This is a solidly built machine easily transported, it is perfectly adapted to any and all spray operations, including the use of insecticides and fungicides. Price, \$40.00.

Brown's Auto-Spray No. 9

Compressed Air Sprayer

Sturdy compressed air sprayer, equipped with a heavy brass screw cap to lock pump in reservoir. The metal in the tank is lock-seamed, well riveted, and soldered throughout. May be obtained with brass or galvanized tank. Brass tank is strongly recommended as it will not rust and will withstand strong solutions. Capacity 4 gallons, weight packed for shipment, 10 lbs. USES—For spraying field crops, shrubs, vines, poultry houses, for removing wall paper, disinfecting, whitewashing, creosoting shingles and for general purposes. 2-foot extension with each machine, no extra price. New solid seamless brass pump and brass ball check valve.

Auto-Spray No. 9-B, brass tank with Auto-Pop.....\$9.25
Auto-Spray No. 9-D, galvanized tank, with Auto-Pop. 6.25
Parcel post weight, 12 lbs.

No. 8 Auto Spray

Most useful sprayer for general work. Capacity 8 gallons. Parcel post weight, 21 lbs. Price, \$8.00.

No. 45 STURDY SPRAY PUMP—All brass. A high pressure, yet light and durable sprayer, made entirely of brass. It is double acting, produces a continuous spray and works from bucket, barrel, etc. Price, complete.....\$4.50

With Galvanized Tank.....7.50

NON-CLOG JR. BRASS NOZZLE—Either straight or 45 degree angle. 75c each.

No. E1—Auto Pop Nozzle, complete.....\$1.50

No. 136—Bordeaux Nozzle.....1.00

No. 149—Leakless shut-off.....1.00

No. K1—2 ft. Brass Extension......50

No. L1—Brass Elbow......35

All Nozzles Postpaid.

No. 42—8 ft. Bamboo. Price with stop cock (not mailable).....3.50

No. 44—10 ft. Bamboo. Price with stop cock (not mailable).....3.90

No. 46—12 ft. Bamboo. Price with stop cock (not mailable) \$4.30

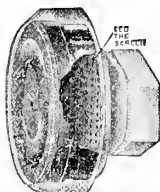
Spray Hose, 1/2 inch, best made, all rubber, 180 per ft. Postpaid.

1/2 inch clamps for same, 50 each; 50c dozen. Postpaid.

1/2 inch Hose Couplings, 25c pair. Postpaid.

1/2 inch Male fittings, No. 137, 25. Postpaid.

1/2 inch Female fittings, No. 137, 25c. Postpaid.



Non-Clog
Jr. Nozzle.

Brown's Auto-Spray No. 50

This sturdy little machine is entirely suitable for spraying on a small scale. It is particularly recommended for use where weight is a factor as when women folk or youngsters help out with the spraying.

Built exactly the same as our 4-gallon sprayers, except tank is 2 1/2 gallon capacity; 18-inch extension with each sprayer. Weight, 7 lbs.

Auto-Spray No. 50-B, brass tank, \$7.90.
Auto-Spray No. 50-D, galv. tank, \$5.40.



Robertson Compressed Air Sprayer



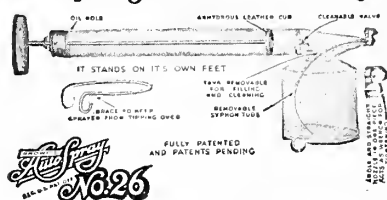
The most efficient hand sprayer ever offered; easy to operate and gives a continuous spray.

Prices
Standard size, having one-quart container. Tin Pump & Galvanized Iron Container, \$1.25
Brass Pump and Copper Container..... 2.25

All sprayers have brass tubes and fittings. If to go by parcel post, add 10c to each.

This Atomizer will spray insecticide in a continuous fog of such great volume that it will fill an ordinary room full of vapor in one minute. Unequaled for small garden and house plant sprays. Handles all insecticides, fly and mosquito exterminators and floor oils. Every household should have one of these atomizers. All brass, 1 qt., with legs. Price, \$1.25; postpaid, \$1.35.

It Sprays Continuously



No. 28 A, D & C Tin Sprayers



A strong atomizer made of heavy tin used for all light spraying and disinfecting. The pump of the sprayer is fitted with an oil treated leather cup that lasts more than one season, made in three sizes. For parcel post add 10c to each size.

No. 28-A—Half Pint.....\$.35
No. 23-D—Pint......45
No. 23-C—Quart......50

Speedex Sprayer

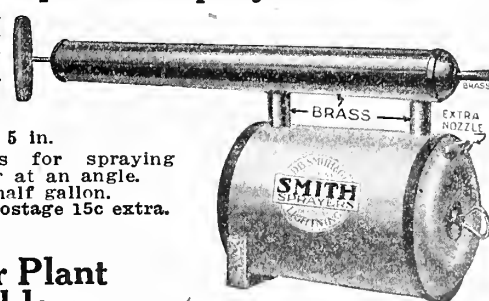
Made with brass pump and galvanized steel tank.

Pump chamber Brass, 1 1/2 in. by 1 1/2 in.

Tank: 8 in. by 5 in.

Nozzles: Brass for spraying straight ahead or at an angle.

Capacity: One-half gallon. Price, \$2.00; for postage 15c extra.



Rubber Plant Sprinklers



Fig. 2

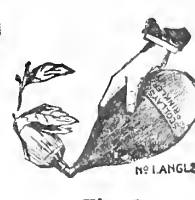


Fig. 3

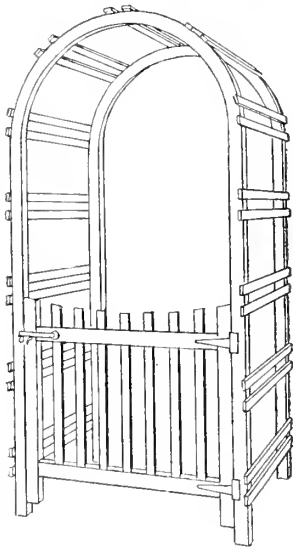
They can be used for sprinkling plants, cut flowers, etc., also for dampening clothes, and for disinfecting purposes.

No. 28a—3 oz. angle neck. See Fig. 3. \$1.00. Parcel Post weight, 1 lb.

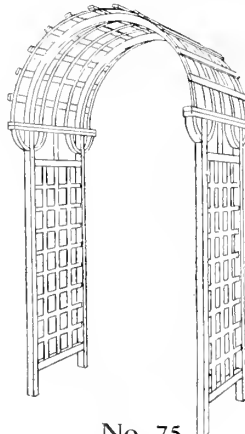
No. 28—Straight neck. See Figure 2. \$1.00. Parcel Post weight, 1 lb.

Unadilla Yard and Garden Furniture

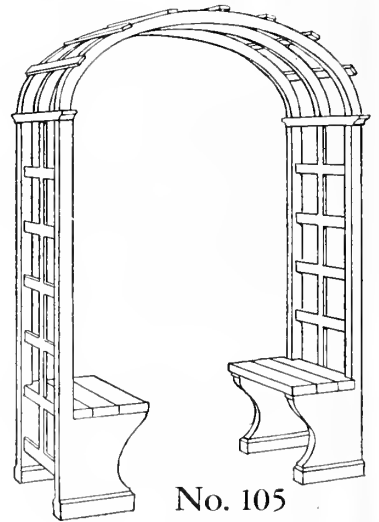
ALL FINISHED IN BEST OUTDOOR WHITE PAINT, UNLESS SPECIFIED.



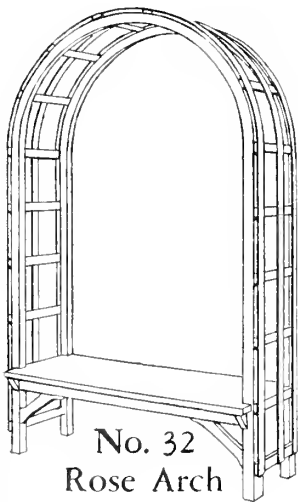
No. 166
Arched Gateway



No. 75
Rose Arch



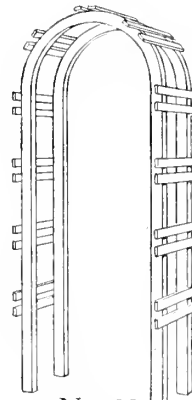
No. 105
Arbor Seat



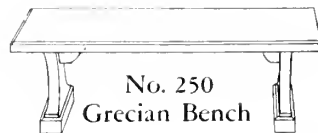
No. 32
Rose Arch



Adjusto
Plant
Support



No. 80
Rose Arch



No. 250
Grecian Bench



No. 55
Rose Trellis

DESCRIPTION AND PRICES

No. 166 Arched Gateway makes a most attractive garden decoration. Gate is 38 ins. wide and 3 ft. high. The arched trellis is 3 ft. deep and 7 ft. high. **Price, complete, with gate, \$29.00.**

No. 75 Rose Arch is a popular type of real beauty. It has a width of 4 ft. and a depth of 2 ft. **Price, \$34.00.**

No. 105 Arbor Seat, when covered with roses or vines, provides a decidedly attractive cozy corner on any lawn or garden plot. Width, 5 ft.; depth, 2 ft. **Price, \$50.00.**

No. 32 Rose Arch is an attractive seat of graceful proportions and substantial construction. Length of seat, 4 ft.; depth, 18 ins. **Price, \$43.00. Same design with back lattice, \$50.00**

No. 80 Rose Arch has a depth of 2 ft. with a width of 4 ft. **Price, \$12.50.**

No. 250 Grecian Bench, placed here and there among the shady lawn nooks, make the outdoor home more attractive and enjoyable. Top width, 15 ins. 4 ft. **\$10.00.**

No. 37—8 ft. Fan Shaped Trellis, \$2.50.

No. 77—8 ft. by 24 in. wide, top and bottom to be attached on side of house or porch, \$2.50.

Above two dipped white.

No. 55 Rose Trellis—6 feet high, over all, with 10 ribs and top spread of 4 feet. Price, \$5.00.

Adjusto Plant Supports comprise a sturdy hard wood stake equipped with a patented adjustable wire loop. **Price, 3 ft., \$3.00; 4 ft., \$3.60; 6 ft., \$4.80.**

Extra Wire Loops, \$1.80 dozen.

Whatever you buy of the Unadilla line will measure up to your expectations as relates to quality of materials, staunchness of construction and finish. Unadilla furniture is ultra-fine, very durable and its finish is washable.

SKINNER SYSTEM SPRINKLERS

COMPLETE CATALOG ON REQUEST



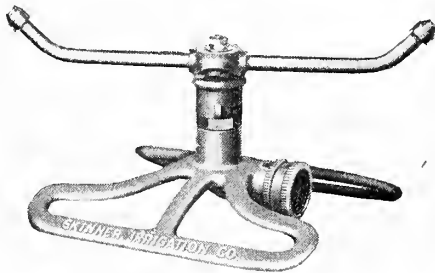
Rain Wave Automatic Sprinkler

This miniature Skinner System weighs only 17 pounds, yet does the work of a sixty-foot line automatically. The sixteen silver stream nozzles in the arch wave slowly back and forth distributing that fine, even spray which has made silver stream nozzles famous.

With simple, easily made adjustments, you can water from 10 x 60 to 60 x 60 feet or have a stationary sprinkler.

Price, \$35.00, f. o. b. Baltimore. Information on Skinner System longer lines sent on request.

The Mor-Rain



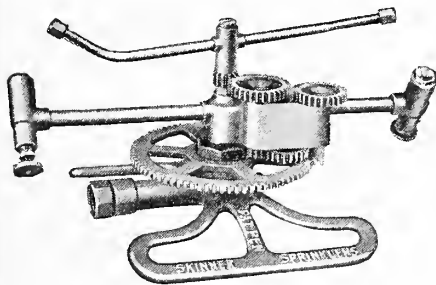
A very high grade rotary sprinkler convertible to a border spray with a quickly made adjustment. In the rotating position circles up to 40 feet in diameter with an even gentle spray.

The half circle spray with its very fine mist reaching out to 18 or 20 feet is ideal for borders and shrubbery.

The Tobin bronze bearings fitted with Bakelite washers assure you years of service.

Price, \$3.00; postpaid, \$3.15.

The Efficient Roto-Rain



A large area sprinkler unsurpassed in quality and especially adapted to the watering of golf greens or the wide open spaces of private estates.

The large nozzles are easily adjusted to throw a fine spray over circles from 15 to 80 feet in diameter, if operated on not less than 35 pounds water pressure.

The gears of solid bronze are so timed that the large nozzles slowly revolve, allowing the ground to absorb the spray as it falls. Every sprinkler

guaranteed. Price, \$15.00, postpaid.

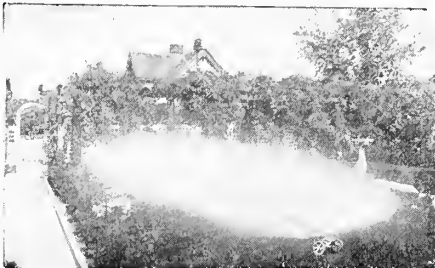
Lawn Mist Sprinklers

These lifetime sprinklers cover with a fine mist, spaces 16 x 20 ft. No finer spray can be used successfully out of doors. For newly seeded lawns, rock or formal gardens, the Lawn Mist produces the ideal spray.

Total length 15 ft. Weight 20 lbs. Express shipment recommended.

Price, \$12.50, f. o. b. Baltimore.

LAWN MIST JR. operates exactly like the larger Lawn Mist. Length 8½ ft. Wt. 13 lbs. Price, \$8.00, f. o. b. Baltimore.



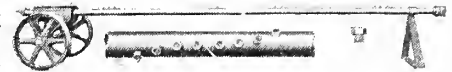
The Peacock



A particularly beautiful as well as very popular sprinkler. The fan-shaped spray coming from the spiral groups of silver stream nozzles resembles the spread of a peacock's tail, hence the name.

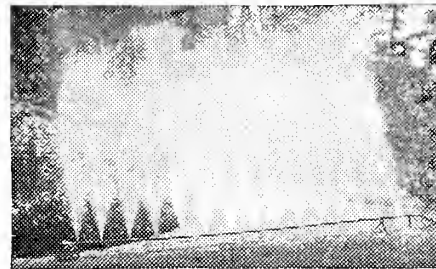
The Peacock Sprinkler is 12½ feet long and can be used singly or in tandem. Each sprinkler covers a space 15 x 50 ft. Price, \$15.00, f. o. b. Baltimore.

THE PEACOCK JR. is 7 feet long, doing the same work as the larger one on a smaller scale. Price, \$8.50, f. o. b. Baltimore.



The Border Mist

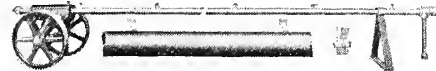
FILLS A SPECIAL NEED.



As the name indicates, it sprinkles one way at a time with very fine mist that can be regulated with the water pressure to extend from 3 to 16 feet.

The direction of spray can easily be reversed by a turn of the handle near the tripod support. A child can change the spray.

Made of the heaviest galvanized pipe, painted green and using brass nozzles, this sprinkler will last many years. Length 15 ft. Weight 30 lbs. Price, \$12.50, f. o. b. Baltimore.



LAWN MIST JR. is 9 ft. long and weighs 16 lbs. Price, \$8.00, f. o. b. Baltimore.

Fountain Sprinkler

Made of Heavy Brass.

Easily moved over the lawn without turning off the water. The mist-like spray is a veritable "thing of beauty." Price, \$1.00, postpaid.

Half-Circle Sprinkler, 85c, postpaid.



Adjustable Rain-Drop Lawn Sprinkler

FOR UNIVERSAL USE

For watering along the walk or property line it is adjusted as shown in this illustration. It will throw the water away from the walk and keep it dry while wetting the curb or lawn.

Where it is desired to throw water to a distant point, the rose top can be removed and hose nozzle

Adjustable-
RAIN DROP
SPRINKLER



put in its place and adjusted to throw the water where you want it. Price, complete, \$1.25, postpaid.



Standard Rain King Sprinkler

Price, \$3.50, postpaid.

GIANT RAIN KING—Like Standard, but is four feet high and has four nozzles. \$12.50; postpaid, \$12.75.

Pot and Tree Labels—All Painted

We do not furnish plain labels, they are not satisfactory. Markings are too easily obliterated.

Width.	100	P. P. Wt.	500	1000	P. P. W.	per 1000
4"x½" Pot.	\$0.30	½ lb.	\$1.00	\$1.70	3 lbs.	
5"x½" Pot.	.35	½ lb.	1.25	2.10	4 lbs.	
8"x½" Pot.	.40	¾ lb.	1.50	2.50	5 lbs.	
10"x½" Pot.	.75	1 lb.	3.50	5.80	10 lbs.	
12"x½" Pot.	.90	2 lb.	3.75	7.00	12 lbs.	
8"x¾" Garden.	.75	2 lb.	3.50	6.50	9 lbs.	
10"x¾" Garden.	1.00	2 lb.	4.25	8.00	10 lbs.	
12"x¾" Garden.	1.25	3 lb.	6.00	11.00	12 lbs.	
3½" Copper Wire Tree	.35	½ lb.	1.40	2.50	4 lbs.	

IMPROVED GALVANIZED MARKER—9 inches long to be stuck in ground. Marker weatherproof. \$5.00, 100; 75c doz.

The Timesaver Plant Support

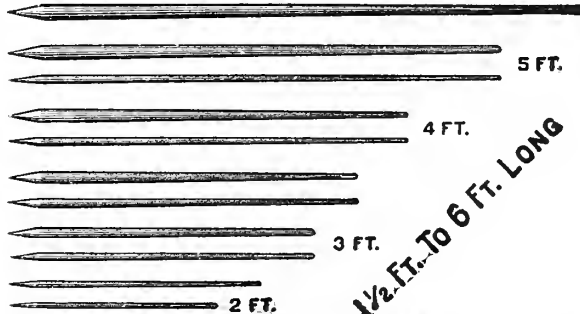
Your Flower and Vegetable Garden's Best Friend

Made in different sizes. Placed and adjusted to height and to any size of loop almost instantly. For shrubbery, tomatoes, dahlias, peonies, roses, and most other vegetables and flowers grown out of doors.

Price: No. 3, 3 ft. \$1.35 per doz.; No. 3A, 4 ft. \$2.20 per doz.; No. 4, 5 ft. \$2.75 per doz.

Cemetery Bouquet Holders

5x9½ inches. Price, 25c; post-paid, 30c.

GREEN PAINTED ROUND PLANT STAKES**HEAVY PLANT STAKES**

3 ft., Heavy or Dahlia.	Each 12c.	Per doz. \$1.15.	Per 100 \$3.60
4 ft., Heavy or Dahlia.	Each 15c.	Per doz. \$1.55	Per 100 \$11.40
5 ft., Heavy or Dahlia.	Each 20c.	Per doz. \$2.25.	Per 100 \$14.60
6 ft., Heavy or Dahlia.	Each 25c.	Per doz. \$2.50.	Per 100 \$17.90
P. P. Wgt., Per Doz., 3 ft., 3 lb.; 4 ft., 5 lb.; 5 ft., 7 lb.; 6 ft., 9 lb.			

LIGHT PLANT STAKES

1½ ft., Light, each 3c; dozen 25c; 100 \$1.50.			
2 ft., Light, each 4c; dozen 40c; 100 \$2.80.			
2½ ft., Light, each 6c; dozen 60c; 100 \$4.10.			
3 ft., Light, each 8c; dozen 75c; 100 \$5.40.			
Parcel Post Weight, Per Dozen, 1½ ft., ½ lb.; 2 ft., ½ lb.; 2½ ft., 1 lb.; 3 ft., 1½ lb.			

BAMBOO PLANT STAKES

	Dozen.	100	1000
2 ft., painted green	\$0.15	\$0.75	\$6.50
3 ft., painted green	.20	1.10	9.00
4 ft., painted green	.25	1.50	12.00
5 ft., painted green	.30	1.75	13.00
6 ft., not painted	.35	2.00	14.00
6 ft. not painted, heavy tonkin, fine for dahlias.	Doz. \$1; 100, \$7.50		
5 ft. not painted, heavy tonkin, fine for dahlias.	Doz. 75c; 100, \$5.50		
4 ft. not painted, heavy tonkin, fine for dahlias.	Doz. 60c; 100, \$4.00		

Pointed Floral or Hyacinth Stakes

Used for Staking Hyacinths, Tulips, Etc. Dyed Green.

Price: 12-inch, 7c doz.; 35c, 100; \$2.00, 1,000; 18-inch, 8c doz.; 50c per 100; \$3.00 per 1,000.

Special Prices to Florists in 1,000 Lots.

WIRE VEGETABLE CRUTCHES

	Doz.	100.
3 foot	\$0.55	\$4.00
4 foot	.75	5.50
5 foot	.95	7.25

If wanted by Parcel Post add 10 per cent of value for postage.

ADJUSTO PLANT SUPPORTS—See page 52.

Garden Reels

Every gardner should have one of these handy reels. Straight rows add greatly to the looks of the garden. These reels are made of heavy iron, and will last a life time.

Price, \$1.25; postpaid, \$1.35.
Price via mail, 25c extra.

"LIGHTNING" WIRE PLANT TIE—For fastening plants to stakes, either wire or wood; can be used many times. 1,000 ties in a package. Price, \$2.50. 100 ties in a package. Price, 35c.

EUREKA STAKE FASTENERS—1,000, \$3.00; 100, 40c.

Twines, Etc.

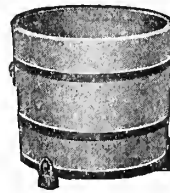
Jute Twine—3-ply, 25c ball.

Binder Twine—Standard; ball, 5 lbs., \$1.25.

Fodder Twine, or Tarred Sisal—Lb. 15c. Quantity prices furnished on application.

Flow Lines—Per pair, Sisal, 50c. Weight, 2 lbs.

Garden Line—150 feet of good cotton line, 35c.

**N. Y. Style Cedar Tubs**

The New York style tree tubs are made of seasoned selected Virginia white cedar, and are trimmed with specially designed metal feet, extra heavy flat steel hoops and liberal-size metal handles. These tubs are painted with the best oil paints—a handsome green on the outside and dark gray inside. Hoops, handles and feet trimmed in jet black.

**New York Style.**

Size.	Top Diameter Inches.	Bottom Diameter Inches.	Depth Inches.	Price Each.
No. 1	12	9½	10½	\$2.40
No. 2	13	10½	12½	3.00
No. 3	14½	12 7/16	14½	3.75
No. 3½	16½	14½	15½	5.00
No. 4	19 7/16	17½	16½	5.50
No. 5	22 7/16	20½	18½	7.00

Richmond Style.

Size.	Top Diameter Inches.	Bottom Diameter Inches.	Depth Inches.	Price Each.	Weight Each Pounds.
No. 1	12	9½	10½	\$2.40	9
No. 2	13	10½	12½	3.00	13
No. 3	14½	12 7/16	14½	3.75	15
No. 3½	16½	14½	15½	5.00	18
No. 4	19 7/16	17½	16½	5.50	21
No. 5	22 7/16	20½	18½	7.00	26

The Richmond Style tree tubs are made of seasoned selected Virginia white cedar, are bound with electric-welded wire hoops, galvanized, three hoops to each. The Richmond Style fills a long-felt want for a cheap type of plant tub and is being used by many large florists in the place of earth pots. These plant tubs are nicely painted with the best oil paints—a handsome green color inside and out. The tops of the staves are slightly beveled, which gives them a neat, trim finish. Has no feet or handles.

Size.	Inside Top Diameter Inches.	Inside Bottom Diameter Inches.	Inside Depth Inches.	Price Each.	Weight Each Pounds.
No. 6	10	7½	9	\$0.85	8
No. 7	12	9	11	1.25	4½
No. 9	14	11	13	2.00	7
No. 11	16	12½	15	2.50	9

Earthenware Flower Pots

Sent by Express and Freight Only. Packing at Cost.

	Each.	Dozen.	100.
2 in.	\$0.02½	\$0.20	\$1.25
2½ in.	.03	.25	1.75
3 in.	.04	.30	2.00
4 in.	.05	.45	3.00
5 in.	.07	.75	5.25
6 in.	.10	1.10	7.50
7 in.	.16	1.75	13.50
8 in.	.25	2.50	18.50
9 in.	.40	3.75	27.50
10 in.	.50	5.00	35.00
12 in.	.90	9.50	70.00
14 in.	1.60	16.00	125.00
16 in.	3.00		

EARTHEN BULB PANS

	Each.	Dozen.	100.
6 in.	\$0.12	\$1.25	\$7.75
7 in.	.18	2.00	15.00
8 in.	.30	2.75	20.00
9 in.	.40	3.75	29.00
10 in.	.55	5.50	37.50

EARTHENWARE SAUCERS

	Each.	Dozen.	100.
4 in.	\$0.04	\$0.40	
5 in.	.06	.50	
6 in.	.07	.65	
7 in.	.10	1.00	
8 in.	.12	1.25	
9 in.			\$0.15
10 in.			.18
12 in.			.30
14 in.			.40
			4.00

NEPONSET PAPER POTS—SEE PAGE 61.

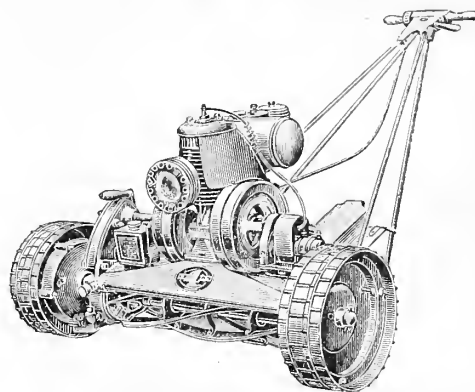
Jacobsen Power Lawn Mowers

Four-Acre Heavy Duty Mower

For years Jacobsen Power Mowers have been steadily growing in favor and today enjoy a country-wide prestige. The Jacobsen 4-Acre is a general purpose, heavy duty mower with a 24-inch cutting reel. It does the work of four or five men and hand mowers and does it better. On large private lawns, school, hospital or industrial lawns, in parks and cemeteries, it is an economical lawn beautifier.

The sturdy motor propels it up grades and on terraces. The automobile-type differential makes it steer easily about shrubs, flower beds and other obstructions. It has separate clutch control of traction and cutting units, and the cutting height is easily adjusted.

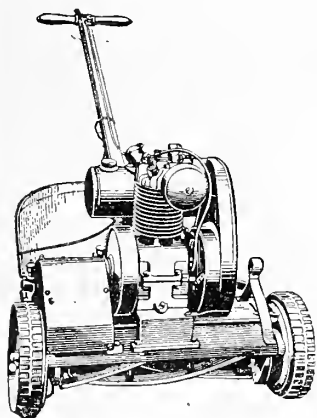
It is gear driven—no chains, no sprockets—and the gears are enclosed in oil-tight housings. The knives are sharpened by the mowers own power without removing the reel. Price, \$285.00. Grass Catcher for same, \$6.00. Riding Sulky, \$40.00. F. O. B. Factory.



Jacobsen Junior Power Lawn Mower

This mower cuts a 19-inch swath and is suitable for moderately large lawns. It does the work of two or three men with hand mowers. On lawns broken up by numerous obstructions, or heavy terraces, the Junior is particularly efficient. Like other Jacobsen mowers, it travels on its own power and is easier to handle than a push-type mower.

Independent clutches give full control at the steering handle for both traction and cutting unit. The 2½x2½ slow speed motor has abundant power for the work required of it. It starts with a crank—not a rope pull. Transmission and clutches are enclosed in oil-tight housings. Like all Jacobsen products, it is finely engineered and built of quality material. This mower also has a self-sharpening device which is a great convenience. Price, \$205.00. Grass Catcher for same, \$4.00. F. O. B. Factory.



Jacobsen "Estate" Power Mower

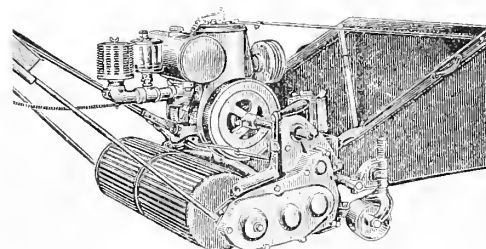
This highly-refined mower is specially designed for the estate owner who wishes to have the finest possible lawn at a minimum cost of upkeep. Traction is furnished by a large hollow, corrugated roller in two sections with a differential between the sections to effect easy turning. The weight, 275 pounds, is distributed over the large traction surface and is just sufficient to give a rolling effect considered so beneficial to the lawn by experienced gardeners. The cutting height is adjustable from a putting-green shave to 1½ inches.

The "Estate" Mower has the same sturdy motor as the 4-Acre Mower, and the mower is so easily handled that the old gardener can operate it without fatigue. It trims close to the edge of flower beds, eliminating the necessity for additional hand trimming. Price, \$310.00. Grass Catcher, included, f. o. b. factory.

Extra Equipments

CYCLE BAR ATTACHMENT—Fits Heavy Duty and "Estate" Mowers. Works like a field mower. Price, \$75.00, f. o. b. factory.

BRUSH ATTACHMENT—Fits Putting Green Mower. 19 inch, \$12.50; 24 inch, \$15.00, f. o. b. factory.



Jacobsen Power Putting Green Mower

A mower specially designed for the delicate exacting work on putting greens. All major castings are aeroplane aluminum. The weight is balanced over the large traction roller. It will not scalp or scuff the green. Used by prominent greens throughout the country. Made in 19 inch at \$275.00, and 24 inch size at \$325.00, f. o. b. factory.

Jacobsen Manufacturing Co.,
Racine, Wisconsin.

Gentlemen:
As our records will show, we purchased our one JACOBSEN—4-Acre Mower from you early in 1923.

We now own four JACOBSEN Mowers, 2 4-Acre and 2 Jr. Mowers—and we thought possibly that you would be pleased to have an expression from us regarding the service that we are getting from these units. These Mowers have been in continuous

January 9, 1923.

use during the grass cutting season—and the expense in the way of repairs have been negligible.

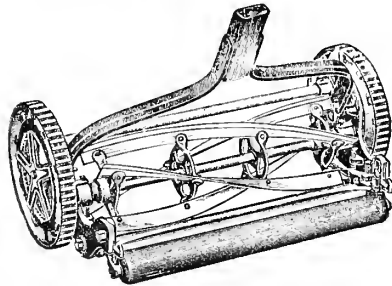
As you know the requirements of a cemetery regarding power lawn Mowers are very rigid, and therefore, the very satisfactory service that we have had from the JACOBSEN outfits is an excellent recommendation in itself.

You may be sure that we are always glad to recommend the JACOBSEN Power Mower whenever the opportunity presents itself.

Yours truly,
CAVE HILL CEMETERY COMPANY.

Our Mowers Must
Give Results

M -S. RELIABLE LAWN MOWERS, ETC.



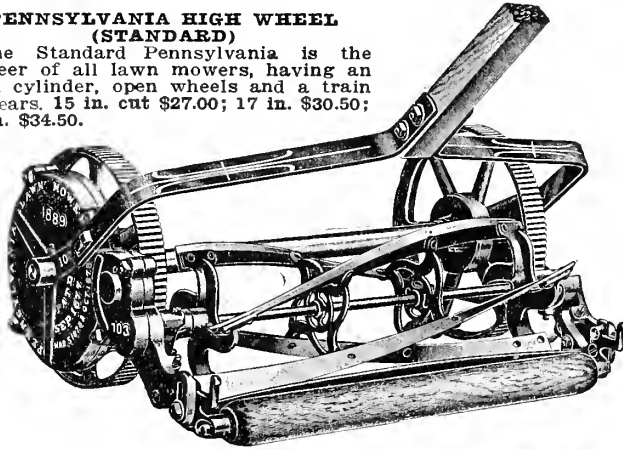
**M-S. CRUSADER—
(BALL BEARING)**

A light weight, four blade mower similar in design and construction to the Interstate except that the drive wheels are 9 ins. diameter. A suitable mower for ladies on account of its easy running capacity. 16 inch cut.

Special price, \$10.00.

**PENNSYLVANIA HIGH WHEEL
(STANDARD)**

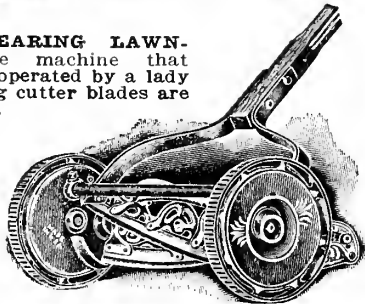
The Standard Pennsylvania is the pioneer of all lawn mowers, having an open cylinder, open wheels and a train of gears. 15 in. cut \$27.00; 17 in. \$30.50; 19 in. \$34.50.



"COLONIAL" BALL BEARING LAWN-MOWER—A grand little machine that runs so easy that it can be operated by a lady or child. The four revolving cutter blades are made of the finest material.

PRICES:

12 in. \$9.50; 14 in. \$10.50;
16 in. \$11.50.



COLDWELL'S BALL BEARING TRIMMER is a very high class tool for finishing along walks, walls or flower beds, where the regular lawn mower cannot be used successfully. It accomplishes this task quickly and neatly and with very little effort. Does away with the back-breaking job of trimming with shears. Especially desirable for cemetery trimming.

Specifications

Blades—Four crucible steel.
Gears—Fine cut gears in drive wheels. Pinion and pawl drive. Accurate and noiseless.

Bearings—Balls, finest drop-forged steel, case hardened. Cones made

from steel shafting, turned and ground for true finish.

Wheels—8 inch solid wheel on right side only. Small caster wheel in front on left side.

Parts—Malleable and cast. Best grade. Carefully machined and assembled.

Bottom Knife—Finest tool steel knife, self-sharpening.

Bottom Knife Bar—Heavy ribbed. Simple adjustment.

Handle—Hardwood, adjustable steel braces.

Finish—Golden Bronze, Maroon striping.

Width of Cut—8 inches only. Price, \$0.50.

COLDWELL'S IMPROVED HORSE LAWN MOWER—Illustrations, specifications and prices furnished on request.

**COLDWELL'S IM-
PERIAL ROLLER**

BEARING—Designed to meet the demands of park and cemetery superintendents. Durable, light running, easy to push and requiring minimum of attention to adjustments. Roller bearings enclosed in dust-proof housings. When packed with light grease will need no further oiling for the season. Best lawn mower on the market for hard service in parks, cemeteries and private grounds.

Lightest Running—Strongest Built.

Wheels—10½ inch.

Blades—Five.

Bearings—Standard Hyatt Roller.

Gears—Triple-pawl ratchet.

Material and Finish—Highest class.

Prices: 16 in. \$18.50; 18 in. \$19.50; 21 in. \$20.50.

"INTERSTATE"—Is a high grade, high wheel, ball bearing mower at a moderate price. Light and easy to handle. Has large revolving cutter, high frequency and will do a fine job of cutting with little effort.

Specifications

Blades—Four crucible steel.

Gears—Pinion and flat sliding pawl type. Direct drive both sides. Protected from dirt and flying grass.

Bearings—Balls, finest drop-forged steel, case hardened. Cones made from steel shafting, turned and ground for true finish.

Frame—Open type, light in weight but strong and durable.

Wheels—10 inches, six spokes, open style.

Parts—Same high grade material and accurate workmanship as used in higher priced machines.

Bottom Knife—Flat crucible steel, self-sharpening.

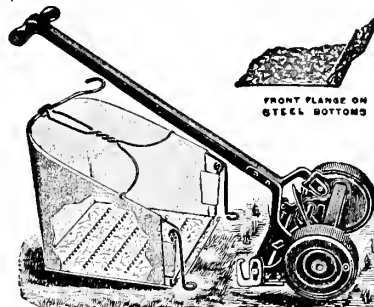
Height of Cut—½ to 1½ inches.

Handle—Hardwood, varnished. Adjustable braces.

Finish—Blue and gold. **Prices:** 14 in. cut \$12.50; 16 in. \$13.50; 18 in. \$14.50.

SWIFT CUTTER—A low-priced machine for small grass plots, not ballbearing, fully guaranteed.

Prices: 12 in. cut \$6.50; 14 in. \$7.50; 16 in. \$8.50.



FRONT FLANGE ON
STEEL BOTTOMS

**M-S. EASY EMPTY-
ING CANVAS
GRASS CATCHER**

Designed to fit any size or style of mower and can be attached or detached in a moment. Made of strong canvas and galvanized iron bottom. To fit any mower, No. 5G—12 to 18 inch, \$1.25; postpaid \$1.35; No. 6G—16 to 22 inch, price \$1.50; postpaid, \$1.60.

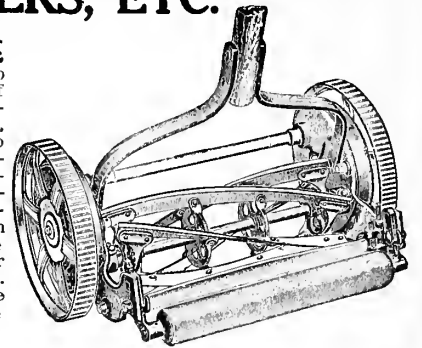
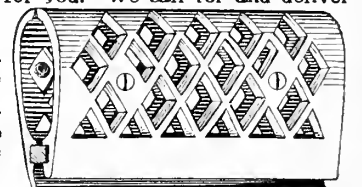
M-S. Easy Grass Catcher.

ECONOMY GRASS CATCHER—A good make, but lighter than the Easy. Construction similar, fits any mower from 12 to 17 inches. No. 17G—Price, \$1.00; postpaid, \$1.10.

OVERHAULING AND SHARPENING OF LAWN MOWERS—The best time for this is, before the actual time of lawn mowing has come. Let us do this for you. We call for and deliver the work.

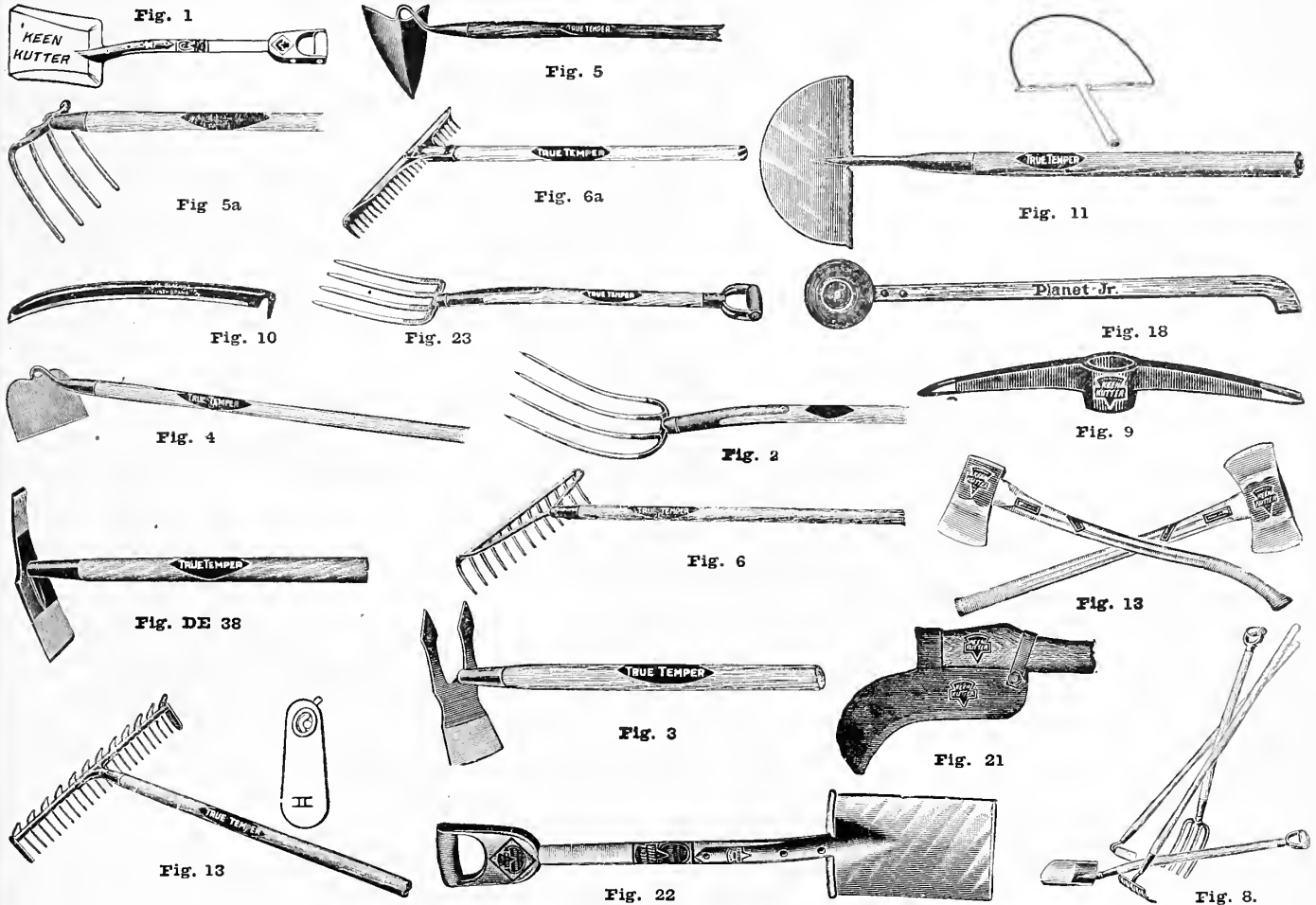
M-S. LAWN MOWER

SHARPENER—Can be adjusted for any thickness of blade and when properly set will give a uniform bevel, the sharpener following the twist of the knife. It will also sharpen the under blade or dead knife. Price, 75c each, postpaid.



M.-S. FARM AND GARDEN TOOLS

SENT BY EXPRESS OR FREIGHT, DUE TO LONG HANDLES.



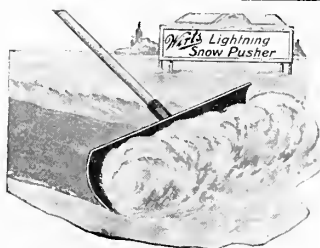
Garden Tools, Shovels, Rakes, Etc.

Shovel, Keen Kutter Round Point Long Handle—\$2.25; small size, \$1.50.
Shovel, Keen Kutter Sq. Point D Handle No. 3—\$2.25. Fig. 1.
Spade, Keen Kutter D Handle—\$2.25. Fig. 22.
Spade, D. Handle. Nursery—Double strapped, \$4.50
Forks—3-tined Hay Fork, \$1.75.
True Temper—4-tined Hay and Manure—Long handle, \$1.75.
Fig. 2.
True Temper—5-tined Manure—D handle. Heavy Fork, \$3.50.
True Temper—4-tined Spading Fork—Fig. 23. D handle, \$2.00.
True Temper Hoes—Fig. 4. Crucible steel, 6½ and 7½ in., \$1.25; 1-pronged, weeding hoe, 60c; 2-pronged, 70c. Fig. 3.
Heart Shaped. Fig. 5. Price, \$1.25.
Pick, "Keen Kutter"—Fig. 9. Price, \$1.50; with handle, \$1.90.
Ax, "Keen Kutter"—Guaranteed article. \$2.25. Fig. 13.
Hatchets, K. K.—Half Pattern. Best quality. Each, \$1.75.
Mattock, "Keen Kutter"—Price, \$1.50; with handle, \$1.90.
Mattock or Grub Hoe—Price, \$1.25; with handle, \$1.65.
Mattock, Pick and Ax Handles—Price, 40c each.
Grubbing Hoe, One-Piece—Extra strong. Fig. No. DE 38, \$1.50.
Potato Hook, or 4-pronged Hoe—Price, \$1.25. Fig. 5a.

Hoe, English Scuffle—6 in. \$1. No handle. Handle, 35c extra.
True Temper Ladies' and Children's Garden Tool Set—Fig. 8. Not toys, but tools that will do and stand the work. Price, \$3.00. Single tools: Shovel, 90c; Rake, 60c; Hoe, 75c; Spading Fork, \$1.00.
Planet Jr. Edger, No. 2—Fig. 18. Made of best material, extremely simple and easy to operate. Price, \$1.75, weight 4 lbs.
True Temper Turf, or Lawn Edger—For edging walks. Price, \$1.25. Fig. 11. See foot rest.
Rake, True Temper—Bow pattern. Fig. 6. 1½ tooth, \$1.50.
Rake, True Temper—Regular pattern, 16 tooth. Price, \$1.25.
Rake, Wire Lawn—Heavily reinforced, best made, 24 teeth. Fig. 13. \$1.00; 46 teeth, \$1.75; 24 teeth self cleaning, \$1.75.
Rake, Lawn—Ole Olson. All wood, 26 teeth, \$1.00.
Rake Leaf—All Wood, 24 teeth, three steel braces. 90c.
Rake, Lawn and Dandelion. Fig. 6a. \$1.00.
Bush Hook, "Keen Kutter"—Fig. 21. Price, \$2.00.
Scythes, Grass—30, 32 and 34 inches long. Fig. 10. Price, \$2.00.
Scythes, Weed and Bush—18, 22, 26, 28 inches long. Price, \$2.00.
Scythe, Grass—Imported. Riveted back. 32, 34, 36 in., \$2.75.
Snathes—Patent, best made. Price, \$1.75.
Whetstones—Carborundum, 35c. Talacre Stone, 25c each. .

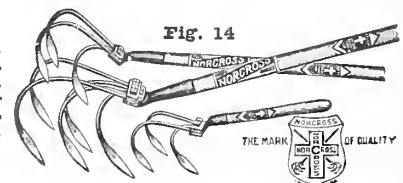
Lightning Snow Pushers

Effective, durable, practical.
Best steel. 20 inch \$1.75;
24 inch \$2.00.

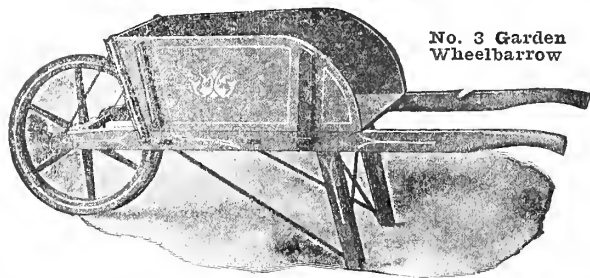


Norcross Cultivators and Weeders

Three sizes and prices.
Fig. 14. 5-pronged, 4 ft. handle, \$1.15; 3-pronged, 4-ft. handle, 85c; "Mid-get," 9-in. handle, 45c. Weight, 3 lbs., 2 lbs., 12 oz.



M. - S. LAWN AND GARDEN ACCESSORIES



No. 3 Garden
Wheelbarrow

No. 3 Wheelbarrow, for Garden and Farm Use—A durable, neat garden barrow. Size of body, 26 in. long, 19 in. wide in front, 22 in. wide at back. Sideboards, 27 in. long, 12 in. high; handles, 4 feet 9 inches long; 2x1½ in. wheel; 20 in. diameter; 6 spokes. Price, \$7.50; set up, \$8.00.

Boys' or Ladies' Size, \$5.00; Set \$5.50. Farm Size, \$9.00; Set up, \$9.50.

Wire Leaf Rack—Can be used with wheelbarrow, \$7.50.

THE "OUT-U-KUM" WEED PULLER

A slight Push and Pull thoroughly loosens the surrounding soil and removes not only the weed, but the entire root.

When pushed into the ground, the two points guide the bridge down alongside the weed, loosening the soil from that side. It crosses under the root disengaging the latter. As the tool is withdrawn the bridge slips up the opposite side of the weed, loosening the ground from that side and engages the head of the weed above the ground. The now thoroughly loosened weed is readily withdrawn in its entirety with little or no clinging soil.

Price, 75c. Parcel post weight, 2 lbs.

Thistle and Dock Cutter—Fig. 18. Price, \$1.50.



Fig. 17

Asparagus Knife — Which makes a fine weeder as well. Fig. 17. Price, 40c. Weight, 1 pound.

Wonder Dandelion Digger—50c, postpaid.



Fig. 17a.

"Dandelion" Spuds—A practical weeder; long handle. Price, 35c. Fig. 17a.

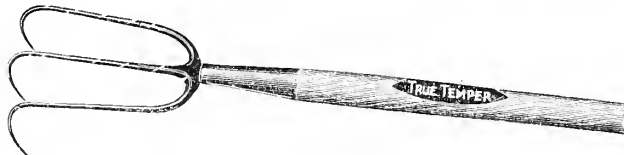


Fig. 11a.

Eureka Garden Weeder—Fig. 11. 50c. Parcel Post weight, 1 lb. Same with 2 ft. handle, 60c. Fig. 11a., 4 ft. handle, 75c. Parcel Post weight, 2 lbs.

Garden Fork or Weeder—Fig. 24. 50c. Weight, 1 lb.

Magic "EZ" Weeder—Fig. 13. No. A—Price, 15c. Parcel post weight, 1 lb. No. D—Large size, 4-tined with hoe or scraper on back. Price, 45c. Parcel post weight, 2 lbs. Style H—4 ft. handle, 3 heavy tines and blunt blade, \$1.10. Style K—4 ft. handle, 3 heavy tines and V-blade, \$1.10. Above two parcel post weight, 3 lbs. Illustration other column.



Kneeling Pads—Found most convenient and serviceable for many uses, in gardening and housekeeping. Made of best Para rubber, \$1.10 postpaid.



Raffia

Fig. 21. For tying asparagus, and used extensively for tying roses, chrysanthemums or anything in the garden. Price 1b. 30c. Hanks contain about 2½ lbs.; 25 lbs. or more, at 25c lb. Special price on larger quantities.

Green Raffia, 85c lb.

Red Tape for tying asparagus, 1,000 yards, \$2.75—postpaid, \$2.85.

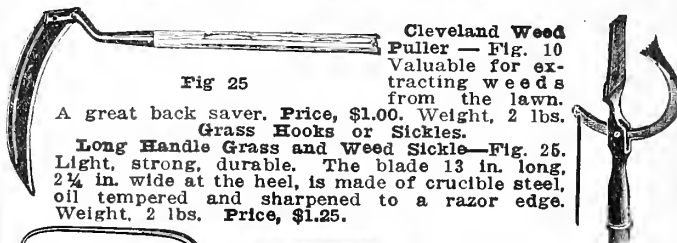


Fig. 25

Cleveland Weed Puller — Fig. 10. Valuable for extracting weeds from the lawn.

A great back saver. Price, \$1.00. Weight, 2 lbs.

Grass Hooks or Sickles.

Long Handle Grass and Weed Sickle—Fig. 25. Light, strong, durable. The blade 13 in. long, 2¼ in. wide at the heel, is made of crucible steel, oil tempered and sharpened to a razor edge. Weight, 2 lbs. Price, \$1.25.

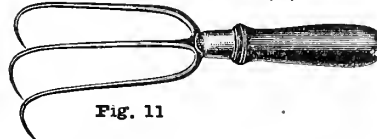


Fig. 11

Fig. 20

Lawn Queen Grass Hook—Fully polished, best material, \$1.00. Postpaid, \$1.10.

No. 2—English Grass Hook. Riveted back. Price, 75c. Parcel post weight, 2 lbs.

Nowatoco Grass Hook—Price, 75c.

German Grass Hook No. 2. Very durable; good material. 40c each, 2 lbs.



Fig. 13



Fig. 21



Fig. 21a.

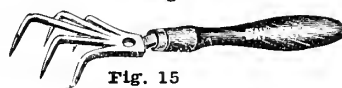


Fig. 15



Fig. 23

Fig. 22.



Fig. 24.

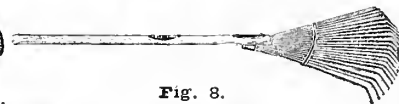


Fig. 8.



Fig. 19.

Steel Trowel D. S. T.—Fig. 21. Drop Shank, best made. \$1.00, Straight Shank, Fig. 21a, \$1.00, either \$1.10, postpaid.

No. 212 One-Piece Trowels—50c. Fig. 22. P. P. weight, 2 lbs.

No. 215 7-Inch Trowel—Fig. 23. Price 25c; postpaid, 30c.

Excelsior Weeder—Five teeth. Fig. 15. Price, 20c. Wgt. 1 lb.

No. 217 Transplanting Trowels—Fig. 19. Price, 25c; postpaid, 30c. Dibles, or Planting Pegs—Bent wood handle. 65c. Weight, 1 lb. Fig. 20. D. Hble. Dibble, 85c.

Lang's Hand Weeder—Handiest tool on earth. 25c, postpaid 30c

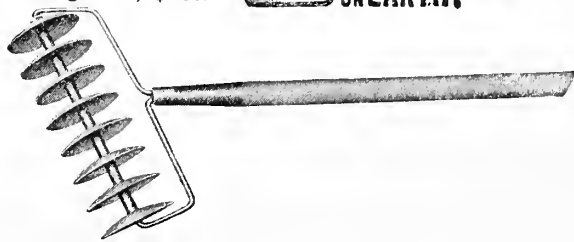
TRUE TEMPER BROOM BAKE

A general outdoor broom for lawns, gravel paths and gardens—is a practical necessity for every residence. Price, \$1.00; postpaid, \$1.10. Fig. 8.

Japanese Broom Bake—Price 75c; postpaid 85c.

Gonson Disc Cultivator—3 disc, \$1.50; 4 disc for flower garden, \$1.00.

**LANG'S
HAND
WEEDER
HANDIEST
TOOL
ON EARTH.**



The "Little Wonder" Hedge Trimmers—Hand and Electric Models



Top Cut

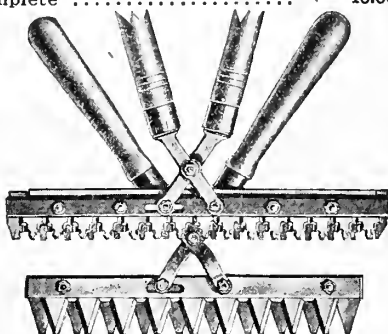
	Prices	Hand-driven	Electric
30 in. size Hedge Trimmer..	\$25.00	\$103.00	
40 in. size Hedge Trimmer..	27.50	106.50	
60 in. size Hedge Trimmer..	35.00	114.00	
Side Cutting Carriage for Hedge Trimmers		4.50	
Lawn Clipper Attachment for Hedge Trimmers		18.00	
30 in. size Lawn Weed Clipper, complete		35.00	
40 in. size Lawn Weed Clipper, complete		40.00	



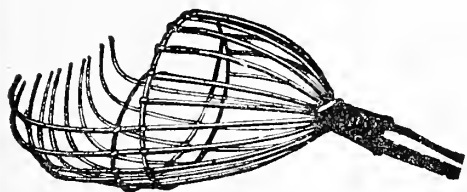
Side Cut

Simplicity Hedge Trimmer

Pruner and Trimmer, \$6.00, postpaid; Trimmer, \$4.00, postpaid. This one cuts fresh green growth only.



Fruit Picker



This cut almost speaks for itself—the device, being so much like the human hand, shows at once the utility of the article. As a Fruit Picker it has no superior. It is made of heavy wire, and easily adjusted to a pole. Price 40c. 50c postpaid.

Grass and Sheep Shears



No. 346—Imported very good steel, 5½ in. Price, 50c. Weight, 1 lb.

No. 355—Fine polished; 5½ inch shears. Weight, 1 lb. Price, 75c.

No. 3074—Imported 5½ inch steel shears, full polished. Price, \$1.25. Weight, 1 lb.

No. 3075—The best shears; made of high tempered English steel. \$2.00 Parcel post weight, 1 lb.

No. 600 Wiss Grass Shear

No. 600 Wiss Grass Shear with offset handles. Fig. 1. Price, \$1.50, postpaid.

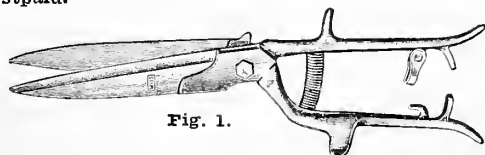


Fig. 1.

Latest Style Grass Shears

No. 500—Wiss Grass Shears or Nippers. The latest thing in hand grass cutters. Fig. 2. \$1.50, postpaid.

No. 117—Pexto, like above. \$1.00, postpaid.

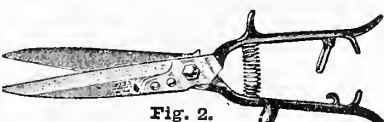


Fig. 2.

M.-S. Water Ballast Lawn and Tennis Court Rollers

No. 601—Diam. 14 in., length 24 in., weight empty 60 lbs. Price, \$17.00.

No. 602—Diam. 18 in., length 24 in., weight empty 75 lbs., weight filled with water 330 lbs. Price, \$20.00.

No. 603—Diam. 24 in., length 24 in., weight empty 110 lbs., weight filled with water 440 lbs. Price \$23.00.

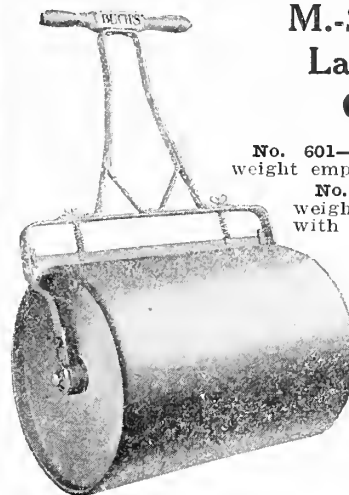
No. 604—Diam. 24 in., length 32 in., weight empty 115 lbs. Price, \$26.00.

CAST STEEL ROLLER BEARING LAWN ROLLER

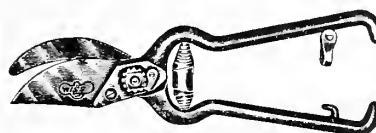
No. 501—Diam. 15 in., 2 sec., wt. 175 lbs., length 15", \$18.00

No. 504—Diam. 20 in., 2 sec., wt. 250 lbs., length 20", \$24.00

No. 507—Diam. 20 in., 2 sec., wt. 300 lbs., length 24", \$28.00

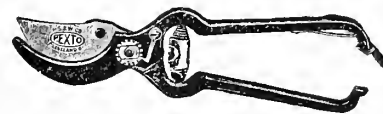


Hand Pruning Shears—All Postpaid



No. 109 Wiss Hand Pruner—Strongest and best pruner made. \$3.00, postpaid.

No. R-65, 9-inch—Full polished with ratchet and double flat brass spring. Weight, 2 lbs. Price, \$1.75.



No. R-70, 9-inch—Similar to illustration, with adjusting nut and regulating ratchet, steel blades of extra quality steel.

Price, \$1.50. Parcel Post weight, 2 lbs.

No. 50

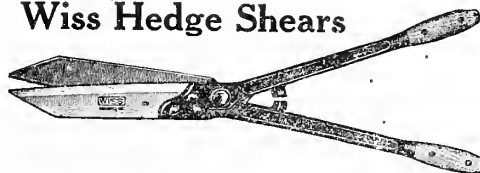
No. 50, 9 inch—A good pruner; weight, 1 lb. 90c.

No. 14, 6 inch—Ladies' pruner, full polished. \$1.25.

Flower Scissors No. 575—Nickle plated. \$1.50.

No. C-4, 7½-inch—Wiss Flower Thinning Shear. Used in cutting flowers, grapes, fruit, etc. \$1.25, postpaid.

Wiss Hedge Shears



These shears are made to meet the demand for a better-balanced, easier cutting, and more durable hedge clipper.

Size 6½ 7½ 8 9 10

Price, each \$2.75 \$3.00 \$3.25 \$3.50 \$4.00



Hedge Shears.



Flower Scissors, No. 576.

No. 576—Imported, best finished, sure to hold flower after being cut. \$2.00, both postpaid. As illustrated.

Solid Steel Hedge Shears—12 in. All equipped with notch; the notch is very useful in heavy trimming or lopping. Handles bolted on, cannot come apart. Parcel post weight on all hedge shears, 3 lbs.

8-inch.....\$2.25 9-inch.....\$2.50

10-inch.....2.75 12-inch.....3.50

Ladies' Hedge Shears—5½ inch cut. Price, \$1.50. Parcel post weight, 2 lbs.

Lawn Shears, Imported—Two wheels, 9-inch blade, long handle for cutting on narrow borders, under fences and shrubs. Price, \$4.50. Parcel post weight, 5 pounds.

Hy-Lo Grass Shears No. 595—Similar to above, with long handles, but much lighter. Will do efficient work. Price, \$1.50; postpaid, \$1.60.

Border Shears—Same as above, but the blades are shaped vertical for trimming borders. Price, \$4.25. Parcel Post weight, 5 pounds.

M.-S. PRUNING TOOLS, ETC.

Rhodes Double-Cut Lopping Shears

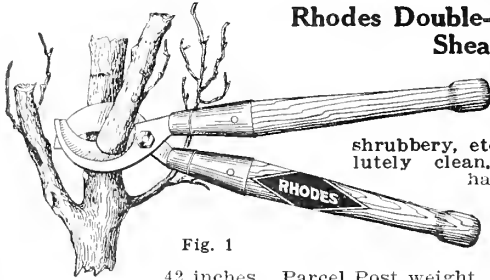


Fig. 1

42 inches. Parcel Post weight, 10 lbs. Price, \$6.50.

THE RHODES DOUBLE-CUT HAND PRUNER

The finest cutting pruner made. Solid tool steel. Piano wire spring insuring long life. Catch used on our Hand Shear cannot pinch the hand or lock while in use. Made in one size; length, 9 inches. Price, \$4.50, postpaid.

"McKenney Pruner"

Made in two sizes: No. 1 and No. 2. The No. 1 cuts limbs up to 1 inch in diameter.

The No. 2 cuts limbs up to 1½ inch in diameter. Splendid for dehorning young cattle.

	Weight.	Length.	Price.
No. 1	2 lbs.	23-inch.	\$4.50
No. 2	5 lbs.	30-inch.	6.00

"Keen Kutter" Pruning Shears—Curved blade and hook. Forged steel; polished and tempered, ratchet tightening knot; extra heavy and long steel ferrules; handles riveted through ferrules and tang; 24-inch hardwood handles. Price, \$2.50. Parcel post weight, 4 lbs.

Draw Cut Pruning Shears—Made of best material, very strong and clean cutting. No. 5400—24-in. handle, \$3.25. Parcel post weight on both, 5 lbs.



Fig. 24

"KEEN KUTTER" TREE PRUNER

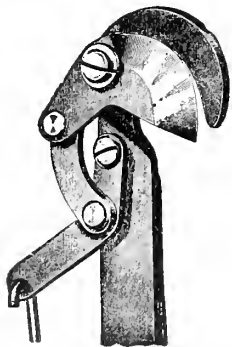
Made of best material. 10 ft. Price, \$2.50; 12 ft. \$2.75.

Express or freight only.

Jointed Pole Tree Trimmer—Fig. 24. 12 feet long, can readily be transformed to 8 foot trimmer; made of the best material; very strong. Price, \$7.00. Parcel Post weight, 8 lbs.

Extra blades, 40c each.

No. 1 Tree Trimmer—No. 1 has a compound lever head and is made with a hook and side lever. It is calculated for light and heavy work and will cut a limb up to 1½ inches in diameter. 6 ft., \$5.75; 8 ft., \$6.00; 10 and 12 ft., \$6.25; 14 ft., \$6.50; 16 ft., \$6.75. Express or freight only.



No. 1 Head in Detail.

TELEPHONE TREE PRUNER—To be attached to pole. \$1.40; postpaid, \$1.50.

THE RHODES POLE PARAGON PRUNING SAW—For cutting large limbs high up; adjustable to any angle; 10-foot pole. Price, \$4.00. Express or freight.

Pruning Saws—Made of the very best material, either double or single cutting edge, \$1.75. Fig. 8. Weight, 2 lbs.

Pruning Knife, No. 1—Wood handle. \$1.10, Fig. 8 postpaid.

Budding Knife, No. 24278—Double blade; spey and budding; bone handle. \$1.25, postpaid.

GRAFTING WAX—¼ lb. 15c; ½ lb. 25c; 1 lb. 40c.



Hotbed Thermometer—Brass point. Fig. 8. Price, \$3.00.

Regular Thermometer—Nicely finished. Price, \$1.00.

Self-Regulating Hothouse Thermometer—Best grade, \$7.00.

For Parcel Post, add 10c on any of the three listed.

Germaco

Hotkaps



Protect Plants for Profit

GERMACO HOTKAPS can make you extra dollars this season. They protect plants from frost, wind, rain, insects and ground crusting. Thus they produce hardier, quicker crops. You get higher prices!

Thousands were used in 48 states last year. They cost so little that growers cannot afford to be without them.

Prices: 1,000 lots, \$11.50; postpaid, \$11.75; 5,000 lots, \$11.00; 10,000 lots, \$10.75. 250 trial package, including garden type waterproof setter, \$4.00; postpaid, \$4.15; Germaco steel HOTKAP setter, \$2.50; postpaid, \$2.60.

If you need HOTKAPS for your backyard garden, note these prices: 50 with garden setter, \$1.50; postpaid, \$1.60; 100 with garden setter, \$2.25; postpaid, \$2.40; garden setter alone, 50c; postpaid, 60c.

PAPER MULCH (BIRDS) IMPROVED PERFORATED—Warms the ground, traps and holds moisture, keeps weeds down, prevents wash. In rolls 36 in. and 18 in. wide, containing 900 sq. ft. in either width, \$3.50 per roll; postpaid, \$4.00.

Hot Bed Mats, Sash and Glass

Hotbed Mats—Burlap covered, 40x76 size, covers one sash. \$2.00 each; 76x76, covers two. \$3.25 each. Price subject to change. Express or freight. Fig. 23.



Fig. 23

Hotbed Glass—Box of 90 panes, 8x10. \$3.00. Price subject to change. Express or freight.

Hot Bed Sash—

Made to hold either 24 or 28

8x10 panes. These

sashes are grooved

so that the panes

slide in and butt

one against the other. \$2.25 each. Price

subject to change. Express

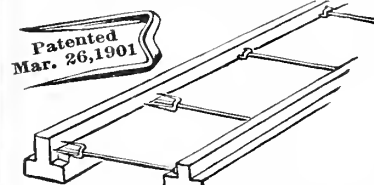
or freight.



Fig. 22

"PEERLESS" GLAZING POINT.

(Improved Van Keyser.)

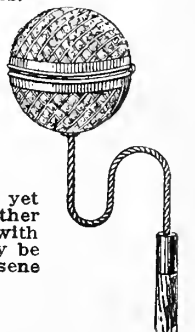


Mastica Machine—For distributing mastica, etc. Made of heavy zinc. Price, \$2.75 (by mail, 10c extra).

Mastica—For glazing greenhouses. One gallon will cover about 300 running feet. One gallon \$2.25. Weight 18 lbs.

ASBESTOS TORCH

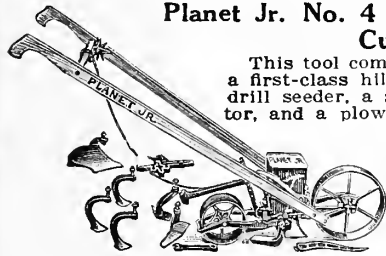
This is the most practical satisfactory device yet found for burning caterpillars, worms and other tree pests. It is a black tinned ball, filled with asbestos fibre, so constructed that it can easily be attached to any pole. Dip the torch in kerosene and light. Price, 60c; postpaid, 70c.



PLANET JR. FARM AND GARDEN TOOLS

Are the greatest savers of time, labor, and money ever invented for the farm and garden. They pay for themselves in a single season in bigger and better crops, and last a lifetime. Fully guaranteed.

Planet Jr. No. 4 Combined Seeder and Cultivator



This tool combines in a single implement, a first-class hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts and sows in continuous rows, or drops in hills 4, 6, 8, 12 or 24 inches apart. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe. Price, \$18.00, 50 lb.

No. 4-D (As a Seeder only), \$14.25, 40 lb.

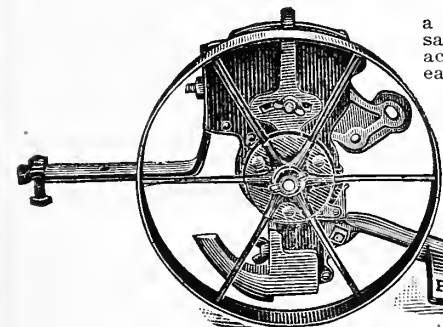
No. 25 Combined Seeder, Double and Single Wheel Hoe



As a seeder this tool is the same as No. 4 described above but when used as a cultivator it can be set up either as a double or single wheel hoe. Has steel frames and straddles crops until 20 inches high. Two acres a day can easily be worked, and when it is done, it will be a better job than several men could have done in the same time with hand hoes. The most complete of the interchangeable tools. Price, \$21.50, 61 lb.

No. 300 Seeder—A new tool especially adapted for beans, corn and peas. Price, \$20.00.

The Planet Seeder Attachment No. 35



Will pay for itself in a short time because it saves seed by sowing accurately. It is very easy to operate and drills almost any kind of garden seed from the smallest up to peas and beans. It will drill a 10-cent package of seed just as accurately as a larger amount. The index is in plain view

Planet Jr. Seeder Attachment No. 35

and easily adjusted. The shoe is adjustable for any depth desired and the coverer swings free. Attaches to any Planet Jr. Hand Cultivator. Sent postpaid. Price, \$6.50.

Star Pulverizer, Weeder and Cultivator



Price, \$3.00.

The star discs break up the soil and the oscillating blade—which works forward and backward—pulverizes and levels the soil, and at the same time cuts off the weeds directly beneath the surface. Can be used right after a rain to cultivate, and will not leave the ground in a lumpy condition. 6 lbs.

Bird's IMPROVED NEPONSET Flower Pots

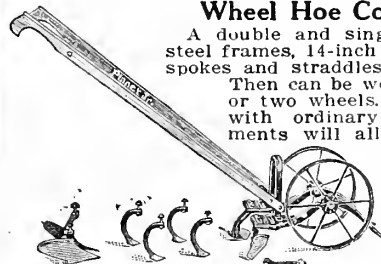


Extensively used for shipping plants, starting seeds and seedlings in frames and hot-houses.

	Doz.	100.	1,000		Doz.	100.	1,000
2 1/4 in.	\$0.08	\$0.50	\$3.75	4 in.	\$0.25	\$1.25	\$9.00
2 1/2 in. ....	.10	.60	4.25	5 in. ....	.30	1.75	14.00
3 in. ....	.15	.70	5.75	6 in. ....	.40	2.50	18.50
3 1/2 in. ....	.20	1.00	7.25				

Dozen and 100 lots, postpaid; 1,000 lots, add 25c.

Planet Jr. No. 12 Double and Single Wheel Hoe Combined

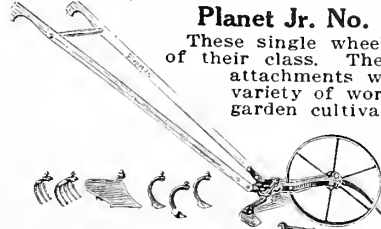


A double and single wheel hoe in one. Has steel frames, 14-inch steel wheel with heavy steel spokes and straddles crops until 20 inches high. Then can be worked between rows with one or two wheels. Does the work of six men with ordinary hand hoes. The attachments will all be found useful from the beginning to the end of the season. Price, \$10.75, 33 lbs.

No. 11 PLANET JR.—Like the above, but in addition has one pair 4 1/2 inch hoes, two 3-tooth rakes and two 5-tooth rakes. Price, \$13.75, 39 lbs.

No. 13 PLANET JR.—Only equipped with one pair of 6-inch hoes. Price, \$8.00. The No. 12 is the most popular tool. 28 lbs.

Planet Jr. No. 16 Single Wheel Hoe



These single wheel hoes are the highest type of their class. They have a great variety of attachments which adapt them to a large variety of work, and there is scarcely any garden cultivation they will not do. Nos. 16 and 17 have the same steel wheels, frames and handles, but the attachments sold with each vary. The handles are adjustable in height. The frame is steel, convenient and

strong with a simple device by which to exchange the tools without removing the nuts. All attachments are of a special pattern, carefully tested by practical men; no others ever offered compare with them. All the steel parts are high carbon steel, oil tempered and specially hardened, finely formed, finished and polished and work to a charm. Price, \$9.00, 24 lbs.

No. 17 Single Wheel Hoe.



Planet Jr. No. 17 Single Wheel Hoe—Same as No. 16, but has no rakes or leaf lifter. Price, \$7.75. Weight 24 lbs.

No. 17 1/2 PLANET JR.—Equipped with hoes and

leaf lifter. Price, 6.75. Weight 21 lbs.

No. 18 PLANET JR.—Only equipped with one pair 6-in. hoes. Price, \$5.75. Weight 19 lbs.

No. 19 PLANET JR.—Similar to above, but has higher wheel (15 inch), equipped with cultivator tooth, sweep, plow and 5 prgd. cultivating attachment. Price, \$6.00. Weight 21 lbs.

No. 119 Planet Jr. Garden Plow and Cultivator



This new member of the "Planet Jr." family is equipped so completely that it will meet all the needs of the ordinary garden. It has a 24-inch wheel 1 1/2 inch wide. The plow is very strong, the cultivator tooth is good and wide, the 3-pronged Cultivator is excellent for breaking of the soil, the center tooth of same is removable, the scuffle hoe fine for weed cutting and the handles very strong and adjustable to suit adult or child.

Price, complete, \$4.75

Weight 17 lbs.

"Firefly" Garden Plow



Very useful for small gardens. Will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep, and deeper by going twice. Furrows for manure or seed can be opened and covered.

Chicken raisers find it of great advantage in plowing up the scratching yards.

Weight, 14 lbs. Price, \$4.25.

72-PAGE PLANET CATALOG FREE
Describes 70 tools, including Seeders, Wheel Hoes, Horse Hoes, Harrows, Orchard and Beet Cultivators. Write postal for it.

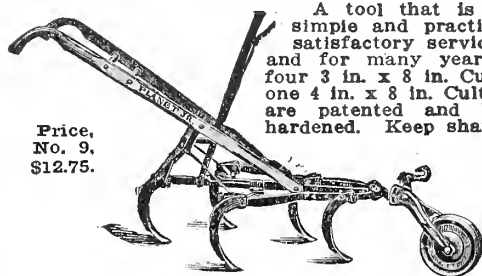
No. 100-D Planet Jr. Plain Cultivator

We offer this cultivator with the object of filling a definite need where lands are light or where farming is done on a modest scale. It weighs but 42 pounds. It will stand hard usage and do excellent work. A steady running tool and easy to handle and adjust. Weight, 42 lbs. Price, with wheel, \$9.25.

No. 107D—Similar to the No. 100D but has seven teeth and lever expander. Price, with wheel, \$12.75.



No. 100
Cultivator
with Cast
Wheel,
\$9.25.

No. 9 Planet Jr. Plain Cultivator

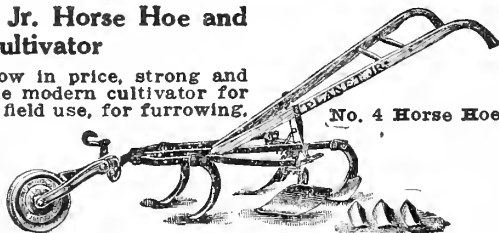
Price,
No. 9,
\$12.75.

A tool that is light and strong, simple and practical, and will give satisfactory service year after year, and for many years. Equipped with four 3 in. x 8 in. Cultivator Steels and one 4 in. x 8 in. Cultivator Steel, which are patented and beveled; especially hardened. Keep sharp and add 50% to the wear. Tool is adjustable to any useful width by use of the lever expander, and every part is perfected to make the tool acceptable to the farmer who does

not want to have to buy a cultivator every few years.
Same tool without wheel, \$10.75.

No. 4 Planet Jr. Horse Hoe and Cultivator

This tool is low in price, strong and simple. It is the modern cultivator for either garden or field use, for furrowing, covering and cultivating. Price, with steel wheel, \$12.25; without wheel, \$10.25.



No. 4 Horse Hoe

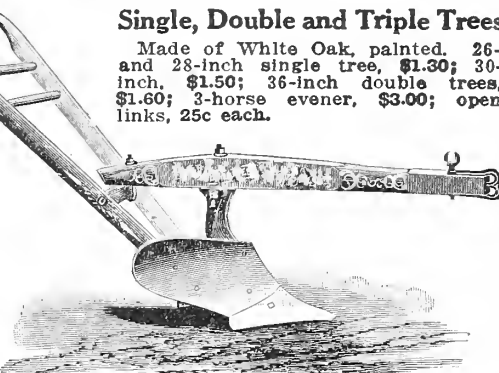
No. 9 PLANET JR. HORSE HOE AND CULTIVATOR—Identical with the above, but has lever expander. Price, with steel wheel, \$14.25; without wheel, \$12.25.

No. 7 PLANET JR. HORSE HOE AND CULTIVATOR—Same tool as No. 4 and No. 9, but is also equipped with depth regulating level wheel. Price, \$15.75.

Single, Double and Triple Trees

Made of White Oak, painted. 26- and 28-inch single tree, \$1.30; 30-inch, \$1.50; 36-inch double trees, \$1.60; 3-horse evener, \$3.00; open links, 25c each.

U-Bar Steel Double and Single Tree, complete. 36" Double and 26" Single Trees, \$3.00 per set.

Oliver Pattern Wood and Steel Beam Plows

	Wood Beam Plow	Steel Beam Plow	Shares	Slip Shares	Lands	Mould-boards	Wood Beams
No. A	\$10.50	\$10.50	\$0.35	.....	\$0.70	\$2.10	\$3.85
No. B	12.75	12.75	.45	.....	1.00	2.75	3.85
No. 10	16.00	16.00	.60	.75	1.05	3.00	3.85
No. 13	18.00	18.00	.70	.85	1.25	4.00	3.85
No. 19	19.50	19.50	.75	.90	1.35	4.25	4.15
No. 20	21.00	21.00	.85	1.00	1.40	4.50	4.15
No. E	24.00	.....	.85	1.05	1.45	5.00	4.15
No. 40	24.00	24.00	.90	1.05	1.45	5.00	4.15

Prices for plows include extra Share and Wrench. The following are extra: Wheel, complete, \$2.00; Jointer, complete, \$4.50; Steel Beam Jointer, \$4.50. State if Wood or Steel Beam.

We can also furnish the "Syracuse" and other leading plows and the repairs. Prices will be furnished upon application.

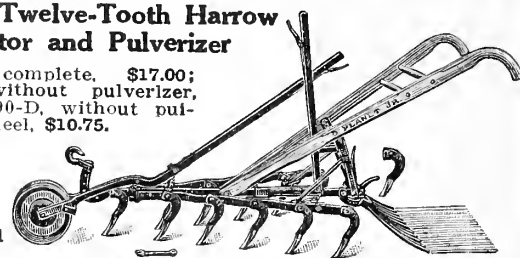
In ordering, mention "Wood" or "Steel" beam, right or left-hand.

Single Handles, \$1.00 each. Rounds, 25c a pair.

Bolts for Mouldboard, Landside, Shares and Jointers, 5c each.

Planet Jr. Twelve-Tooth Harrow Cultivator and Pulverizer

No. 90, complete, \$17.00;
No. 90-B, without pulverizer, \$13.75; No. 90-D, without pulverizer or wheel, \$10.75.

**SHOVEL PLOWS**

Single Shovel Plow, \$4.20.

Double Shovel Plow, \$4.60.

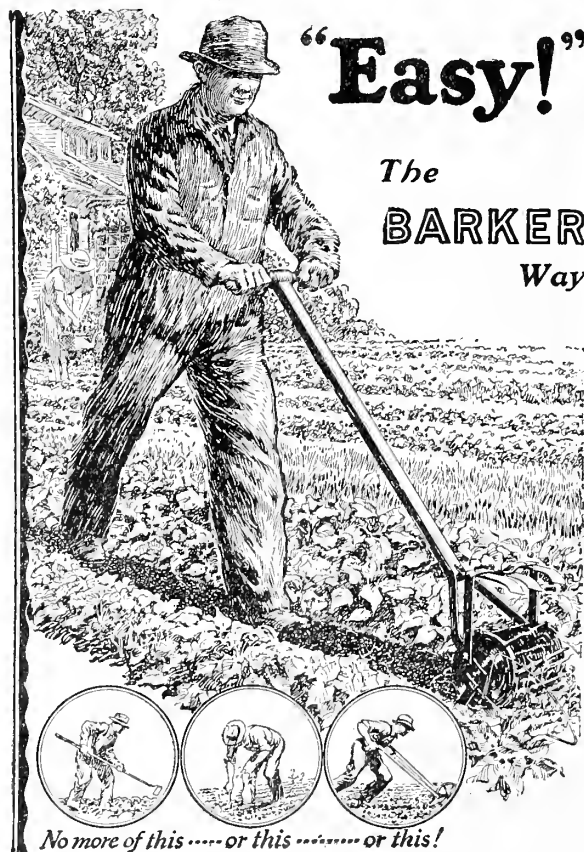
Triple Shovel Plow, \$6.60.

Blades for same, 16c lb.

Planet Jr. Cultivator Teeth.

1 1/4 x 8 in. Steels	.....	.17	3 x 8 in. Steels	.....	.22
1 3/4 x 8 in. Steels	.....	.18	4 x 8 in. Steels	.....	.27
2 1/4 x 8 in. Steels	.....	.20			

"Planet Jr." 7-inch Hind Shovel, 35c; "Planet Jr." 8-inch Hind Shovel, 40c. Bolts for all Cultivator Teeth at 5c each.

Barker Weeder, Mulcher and Cultivator

"Easy!"

The
BARKER
Way

No more of this or this or this!

Barker Jr. is the best garden weeder and mulcher on the market except the Barker. The very low price makes it attractive. Weeds and mulches a strip 9 inches wide. Retail price, \$7.35.

No. 6-D—The "Baby Barker." Useful for greenhouses, and where rows are close together. Lower knife cuts 6 inches; has two shovels. Price, \$9.25.

No. 8 1/2-D—It weeds and mulches a strip 8 1/2 inches wide. Has three shovels, and leafguards. Price, \$10.60.

No. 10-D—Strong, and most useful size. Lower knife cuts ten-inch strip. Favorite for large gardens and with truck growers. Equipped with three shovels, and leafguards. Price, \$11.75.

No. 11-D—Especially adapted for use where rows are fifteen inches or more apart. Weeds and mulches eleven-inch strip. Has three shovels, and leafguards. Price, \$12.60.

No. 12-D—Best size where rows are two or three feet apart. Weeds and mulches a strip one foot in width. Has three shovels, and leafguards. Price, \$13.45.

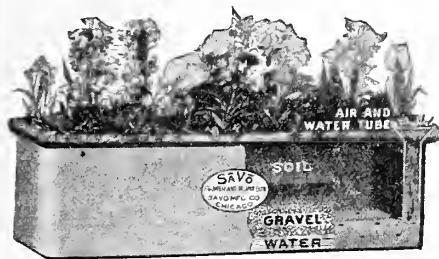
The Success Plant Box is made of strong galvanized iron, neatly enameled in dark green. It is so constructed that the watering is easy, the drainage ample, the air circulation perfect.

Plants thrive wonderfully in these boxes. For window or porch use they are ideal, as, unless excessively over-watered, there is no drip. No staining of paint or disfiguring in any way.

	Length Inches.	Width Inches.	Depth Inches.	Weight Pounds.	Each.
Flower Boxes	24	8½	6¼	6	\$1.50
Flower Boxes	30	8½	6¼	7	1.75
Flower Boxes	36	8½	6¼	8	2.50

Brackets for Window Boxes

	Per Pair.	Pounds.
No. 1—For setting on sill.....	\$0.80	3
No. 2—For hanging under sill.....	1.00	3
No. 3—For the porch rail.....	.50	1



SaVo Boxes

Keep Plants Healthy the Year Round.

The most efficient durable and artistic plant box made.

The SaVo Self-Watering Steel Flower and Plant Box is scientifically constructed under the sub-irrigation plan, which is the most perfect plan ever devised for the growth of any kind of plant life.

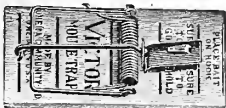
Model A—8 in. high, 9½ in. wide, 23 in. long.....	\$ 3.00
Model B—8 in. high, 9½ in. wide, 29 in. long.....	4.00
Model C—8 in. high, 9½ in. wide, 35 in. long.....	4.50
Model D—8 in. high, 9½ in. wide, 41 in. long.....	5.00
Model E—8 in. high, 12 in. wide, 12 in. long.....	3.00
Model F—12 in. high, 12 in. wide, 12 in. long.....	3.50
Model B—With stand, 30½ in. high.....	12.00
Model G—12 in. diameter, with stand 28½ in. high.....	6.00

These are outside measurements, including the ¾-inch roll rim. Beautifully finished in Aluminum or Dark Green.

Japanese Hull-less Pop Corn

There is hardly a home in the country where during winter popping of corn is not a pastime. Not all Pop Corn is the right kind for popping. What we offer can be relied upon for planting or popping.

M.-S. All Wire Corn Popper—25c. Parcel post weight, 1 lb.



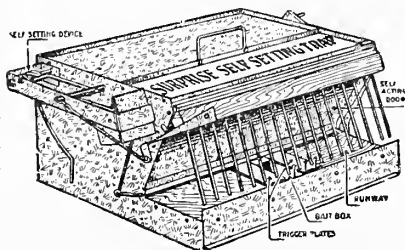
Lb. 15c. Special price in quantity.

Rat and Mouse Traps

Victor Rat Traps—10c, postage 5c.
Victor Mice Traps—3, 10c, postage 5c.
Wire Cage Rat Traps—The kind that catches them alive. \$1.00 each, postpaid.

THE SURPRISE SELF-SETTING TRAP

The most wonderful trap ever invented for trapping rats, and ground squirrels. Its action is so quick that the eye can hardly see it operate, sometimes trapping a dozen to fifteen rats at one setting. The trap must be seen in action to be fully appreciated. The lightest touch on either of the trigger plates springs the trap and quick as lightning the rake sweeps over the runway, throwing the animal into the trap and instantly the trap resets itself, repeating this action ten to twelve times until run down. Price, \$6.00, postpaid.



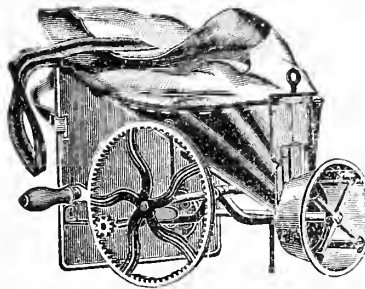
The Cyclone Seed Sower

It differs materially and very advantageously from all other Sowers in having a slope feed-board with an oblong hopper which terminates in a metal edge, on which edge oscillates a feed plate which does not allow the seed to become clogged, but makes a positive force feed and insures a uniform flow and even distribution of seed. Anyone desiring a convenient, practical and an all-round first-class grain and grass seeder, a good, large sower that will meet the most exacting demands, we recommend the Cyclone. Price, \$2.25; postpaid, \$2.50.



Cahoon Seed Sower

For sowing Grasses, Clover, Timothy, Millet, Oats, Wheat, Barley, Rye, Buckwheat, etc. Standard Seeder of the World—A Model for Accuracy and Durability—Malleable Iron Frame—Steel Hopper and Gate Brass Discharger.



Price, \$5.00, postpaid.

Horn Seed Sower

Will spread seed evenly from 30 to 40 feet. Method of sowing is by swinging tube in horizontal position from right to left which closely resembles the old method by hand. Gives control over seed on a circle of 8 feet before it leaves the tube and the wind has no chance to blow seed into bunches before it strikes the ground. Price, \$1.00, postpaid.



SEGMENT CORN PLANTER—Sliding Feed. Price \$2.50. Parcel Post weight, 6 lbs.

Picking Baskets—½ bushel size, 45c each.

White Oak Baskets—Side handled, 1 bush. \$1.40; 2 bush. size, \$2.00.

Pea Bags—Used by Anne Arundel farmers for bringing peas and beans to market. 20c each. For quantities write for price.

Strawberry Boxes—1 qt. size, 10c doz.; per 100. 75c. Per 1,000, prices furnished on application.

Trace Chains—7 ft., straight link, hook or ring. Price, \$1.75 pair. No. 2 cheaper grade, \$1.50.

Cow Chains—Tieing out, No. 1 20 ft. 60c; No. 00 heavier grade 20 ft. 75c; No. 00 30 ft. \$1.00; Stable ties, 4½ ft., price 50c.

Back Bands—Cotton duck with snaps 42 in. 75c each.



Segment Corn Planter

Little Giant Mole Trap

Fig. 21

The simplest, safest and surest mole trap ever invented. Self-setting. Price, \$1.00, postpaid.

MOLO—A preparation that will clear your lawn of moles and field mice in a few nights. Pkt. 25c, postpaid.

The Scientific Rat Trap

The shurest trap for killing rats, mice, or any other small rodents. They have no possible chance of getting away. Price, 50c; postpaid, 60c.

SO-BOS-SO FLY KILLER (Improved)—Guaranteed to kill flies and lice on horses, hogs, cattle and mules. Price, \$1.60 gallon.

GERMO FLY SHOO—Make your cows and horses comfortable by using it regularly. Won't blister or injure hair. 1 qt. 50c; 2 qts. 75c; 1 gal. \$1.75.



Fig. 6

RICE'S CALF WEANER—Fig. 6. Very effective for weaning calves and preventing cows sucking themselves. No. 1, for calves, 40c; No. 2 for heifers, 65c; No. 3, for cows, \$1.00; postpaid.

BAG BALM—For all diseases of the cow's udder and teats there is no remedy so quick and certain in its curative powers as Bag Balm. 60c, postpaid.



KOW-KARE—Valuable for run-down cows. 65c, \$1.25, postpaid.

PRATT'S ANIMAL REGULATOR is a regulator, digestive and mild tonic. The ingredients consist of pure medical roots herbs and barks, carefully blended in the exact proportions necessary to gently but surely act on the blood, bowels, liver and digestive organs of horses, cows, sheep and hogs. It causes perfect digestion. Pkg. 25c, 50c and \$1.00; 12-lb. pail, \$2.15; 25-lb. pail, \$3.40; 50-lb. drum, \$5.85; 100-lb. drum, \$11.40.

***PRATT'S WORM POWDER**—For destroying worms in horses, cows, hogs and sheep. Box 50c. Weight, 1 lb.



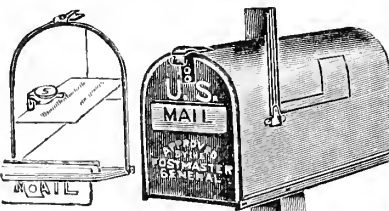
OIL CANS—Holds 1 pint. Price, 15c. Postpaid, 20c. Filled with oil, 25c. This cannot be mailed.



Fig. 4

Rural Mail Boxes

22. Gauge Galvanized Steel, without Inner Galvanized Box. Box has a Letter and Coin Holder for mailing Letters when not supplied with stamps; Reinforced Roller Ends; Drop in End of Box for Depositing Mail without Unlocking; Red Signal raised by Mail Carrier to show that he has deposited mail in the box. Price, \$1.75. Parcel post weight, 8 lbs.



Brooms and Brushes

Plain Corn Brooms, extra quality... 75
Bass Push Broom, 16 inches. (See cut) 1.25

Handles for Push Brooms, 25c each.



Posthole Digger

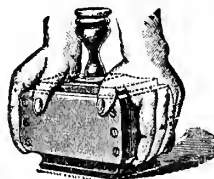
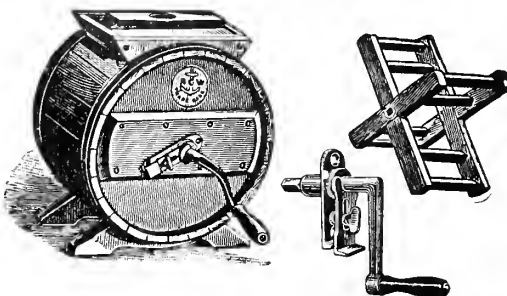
Highest Grade Crucible Steel Blades, 12 Gauge, 9 in. deep, 5 in. wide, riveted to heavy shouldered Malleable Iron Frame, with closed handle sockets, 4 in. deep; select ash handles with graduation marks in ft. burned on, from 2 to 4 ft.; will dig hole 6 in. in diameter. Price, \$2.25.



"Keen Cutter" Posthole Digger

IMPROVED CEDAR WOOD CYLINDER CHURN

- No. 1—3 gal. \$3.75.
- No. 2—4 gal. \$4.50.
- No. 3—7 gal. \$5.25.
- No. 4—10½ gal. \$6.00.



Baltimore Pattern Hand-Made Butter Print

This Butter Print is hand-made out of solid hardwood, and is put together with brass screws, making it indestructible. Being a two-piece print makes it very handy to use. ½-lb. Sheaf of Wheat Print, \$1.25; weight, 1 lb. 1-lb. Sheaf of Wheat Print, \$1.50; weight, 2 lbs. ½ lb. Special Prints, carved with Initials, on application.

SEELEY PATTERN BUTTER PRINTER

Furnished with Sheaf of wheat. Movable block. ½ lb. 75c. Weight, 1 lb. 1 lb. 90c. Weight, 2 lbs.

PARCHMENT BUTTER PAPER—Cut for pound and half-pound prints. Price, 35c lb. Special price on quantities.

WELLS, RICHARDSON & CO.'S BUTTER COLOR—The best

butter color on the market. Small bottle, colors 500 lbs. 35c; large bottles, 65c and \$1.00. Not available.

FLOATING DAIRY THERMOMETER—30c; postpaid, 35c. Prices Subject to Change Without Notice.

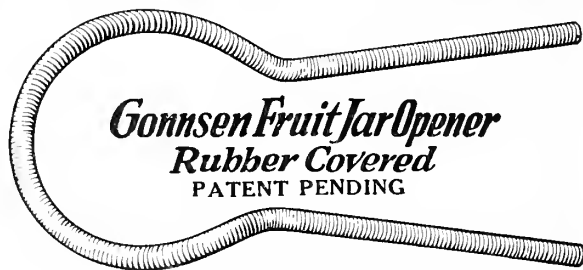
Cello Glass—The great substitute for glass, much stronger and lighter than glass. Can be used wherever glass is used. 300 square feet to the roll. 3 feet wide, cut any size from 1 running foot up. Price, 45c a running foot; for postage, 10c per foot, 1c for each additional foot.

Full roll, 100 running feet, \$43.25; parcel post weight, 33 lbs.



Protect Chicks & Plants with

CEL-O-GLASS



Gonnsen Fruit Jar Opener
Rubber Covered
PATENT PENDING

The Gonnsen Fruit Jar Opener offers a grip that has not been duplicated by any other jar opener. It is an undisputed fact that rubber is the best non-slipping material known to science and The Gonnsen Fruit Jar Opener is rubber covered which means it is no longer necessary to grip a jar cap so tight that the porcelain is broken, thereby getting particles of glass in the food, nor will its soft rubber surface puncture the metal cap, and even the jar rubber is saved. It works both ways making it indispensable in canning season for sealing jars air tight. Price, 15c; postpaid, 20c.

Grape Protecting Bags



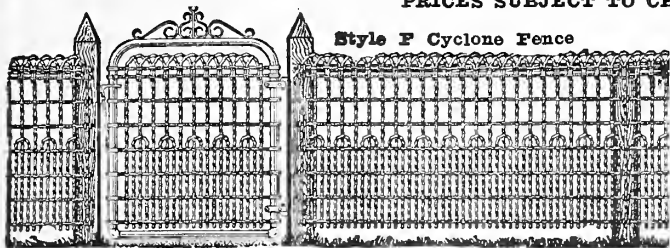
If put on during the period when grapes are forming they will save many times their cost in the amount of fruit they will save from insects, rot, birds, etc. All ready to fasten. No. 2 the right size for our domestic grapes. Price, 10c doz.; 50c 100; \$4.25 1,000. Prices on larger bags on application.

Parcel Post weight, 2 lbs. per 100; 15 lbs. per 1,000.

Bag all grapes to keep them from insect stings.

NORWOOD AND AMERICAN SANITARY WIRE FENCING

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.



No. 600 is the most popular sanitary wire fence. Pickets are all Nos. 9 and 12 heavily galvanized wire. The line wires are spaced 1 1/2 inches apart at bottom, 3 inches at top, making fence absolutely chicken tight. Regular heights are 36 inches, 42 inches and 48 inches.

Price per lineal foot, No. 600, 36 in., 16c; 42 in., 18c; 48 in., 22c. Full 10 or 20 Rod Rolls less 10 per cent.

Three-foot Ornamental Walk Gates to match, \$4.25 each. 3 1/2 ft. 5 per cent and 4 ft. opening 10 per cent higher.

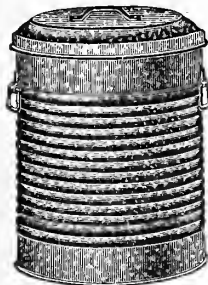


No. 2 Tree Guard—Made of No. 7 heavily galvanized wire woven together with No. 12 galvanized cable wire, 12 inches diameter 72 inches high. Price, \$1.50.

Drive Gates

Single Ornamental Drive Gates 8, 10 and 12 ft., height 36, 42 or 48 in. Prices, \$8.50, \$9.50 and \$11.50.

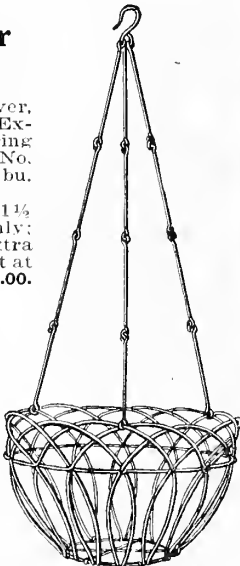
Double Ornamental Drive Gates, 8, 10 and 12 ft., height 36, 42 or 48 in. Prices, \$9.50, \$11.50 and \$12.50.



Storage or Ash Can

Galvanized, deep cover, rat and damp roof. Excellent for storing grain or dry mash. No. 67, capacity, 2 1/2 bu. Price, \$2.50.

No. 161, capacity 1 1/4 bu., for ashes only; constructed extra strong reinforcement at top and bottom. \$3.00.



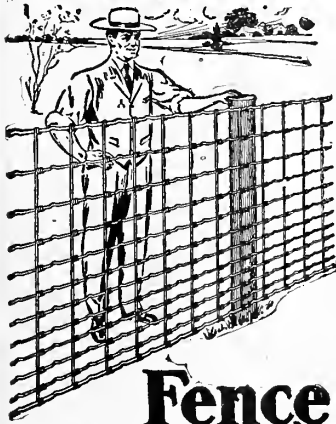
Wire Hanging Basket

Wire Hanging Baskets

Help make the city beautiful by installing wire hanging baskets and window shelves filled with beautiful flowers. Made of good heavy wire. Painted green. See illustration.

Baskets, 8-in., 25c; 10-in., 35c; 12-in., 45c. Parcel Post weight, 2 lbs. each.

American



Fence

Keen Kutter Post Hole Digger—See page 64.

"AMERICAN" POULTRY AND STOCK FENCE

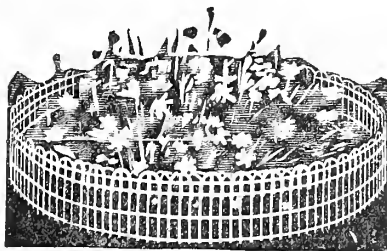
"American" Poultry and Rabbit Fence—For poultry yards, gardens, orchards and yards; it is a great favorite. 165 running feet, 48-in., \$7.25; 58-in., \$8.00.

Banner Poultry Fence:

36-in. 165 ft. \$5.25
48-in. 165 ft. 6.25
60-in. 165 ft. 7.25
72-in. 165 ft. 8.25

Field Fence:

726x6. 165 ft. \$6.25
726x12. 165 ft. 4.75
1047x6. 165 ft. 9.50
1047x12. 165 ft. 6.75



Perfection Flower-Bed Guard

Fits any shape or size of flower-bed. No posts required. Cut to any length. Bottom of pickets left straight to be inserted in the ground. Made in three heights. Price per lineal foot: 16-in., 9c; 22 in., 11c; 28 in., 12c.



FIG. 1

No. 2—Height 22 in.; diameter 15 in.; weight 7 lbs. Price, \$1.75.

No. 3—Height 20 in.; diameter 18 in.; weight 9 lbs. Price, \$2.25.

No. 4—Height 31 in.; diameter 21 in.; weight 12 lbs. Price, \$3.50.

Wire Trellis Fig. 2

Just the thing for climbing plants and flowers. Cut to any length; fits any porch. The most inexpensive practical trellis made. Furnished in three widths. Price per lineal foot: 18 in., 7c; 24 in., 9c; 30 in., 11c.

Norwood Rubbish Consumers

Burns waste paper, rubbish and all combustible materials without scattering and without danger from fire.

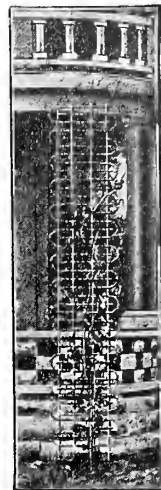


FIG. 2

Diamond Mesh Poultry Netting

Put up in rolls of 150 running feet. Galvanized after weaving.

2 in. No. 20. 1 in. No. 20.
Wire. Wire.

1 foot	\$1.25	\$2.75
18 inch	1.75	4.00
24 inch	2.25	5.00
36 inch	3.00	7.00
48 inch	4.00	9.25
60 inch	5.00	11.50
72 inch	6.00	13.75

2 inch less than roll lots 1 1/2 square ft.; 1 inch, 3 1/4 c. Price subject to change without notice.

Poultry Wire Staples, 10c per lb.

Prices on all kinds of wire and steel goods subject to change without notice.

Illustration of 2-inch Diamond Mesh Poultry Wire

Galvanized Steel Fence Posts

CHEAPER THAN WOOD AND MORE DURABLE—Galvanized Inside and Out

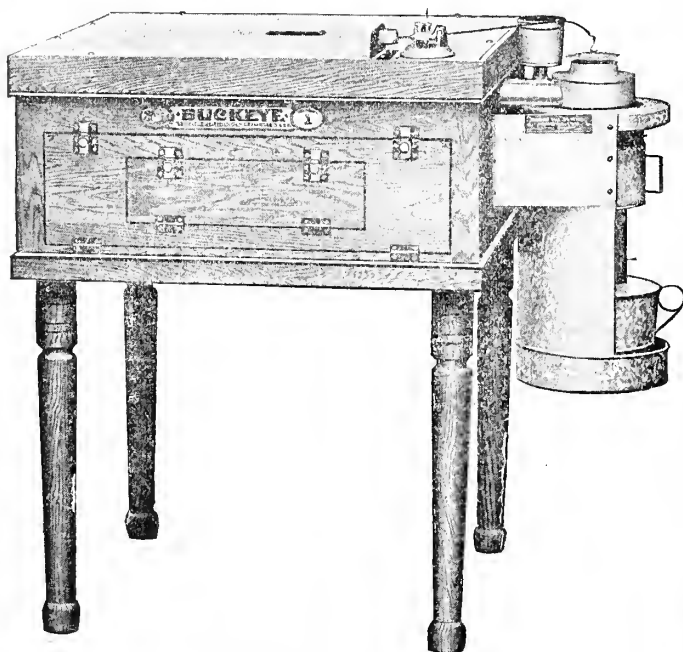
Line Post	Length—Feet.	Approx. Wgt.—Lbs.	Price.
Line Post	5	7.4	.67
Line Post	6	8.4	.70
Line Post	7	10.	.80
Line Post	8	11.4	.95
10 End Post	7	51.	4.00
10 End Post	8	59.	5.00
10 Corner Post	7	75.	6.50
10 Corner Post	8	86.	7.00
Ball Tops for Line Posts			.30
Ball Tops for End and Corner Posts			.50
Driving Caps for Line Posts			.55



American Galvanized Steel Fence Post.

BUCKEYE INCUBATORS

DRASTIC PRICE REDUCTIONS—EQUIPPED WITH NEW EGG TURNERS



Buckeye "Standard"

Buckeye "Standard"

The world's best Incubator, built up to a standard, not down to a price.

California redwood construction.

Double wall insulated case.

Heavy copper tanks.

Buckeye patented metal thermostat.

Safe, economical heater.

Protected by Insurance Underwriters' label.

Endorsed by all Agricultural Colleges.

Sold by more than 12,000 dealers in the United States and Canada.

Endorsed by the leading hardware jobbing houses.

No extras to buy—each Incubator complete in every detail.

No. 1	No. 2	No. 3
110 Eggs	175 Eggs	250 Eggs
Shipping Weight	Shipping Weight	Shipping Weight
110 Lbs.	125 Lbs.	165 Lbs.
\$30.00	\$35.00	\$46.50

No. 4	No. 5
350 Eggs	600 Eggs
Shipping Weight	Shipping Weight
195 Lbs.	300 Lbs.
\$55.00	\$87.50

Moes Electric Incubator

No. 379—Electric Incubator.	Capacity 85 eggs.	Price, \$16.80.
No. 380—Capacity 150 eggs.		Price, \$21.00.
No. 381—Capacity 250 eggs.		Price, \$28.00.
No. 382—Capacity 400 eggs.		Price, \$41.00.
No. 383—Capacity 600 eggs.		Price, \$61.00.

**SPECIAL DESCRIPTION ON ELECTRIC INCUBATOR
ON REQUEST.**

Buckeye Style "E"

The popular-priced BUCKEYE. A single wall machine built to meet the demand for a low-priced incubator. Economy practiced only in those parts that do not affect hatching quality and built in immense quantities allow our offering them at prices that defy competition. They contain ALL THE VITAL BUCKEYE FEATURES, including the 12-ounce copper tanks, sold under the same absolute guarantee. No extras to buy.

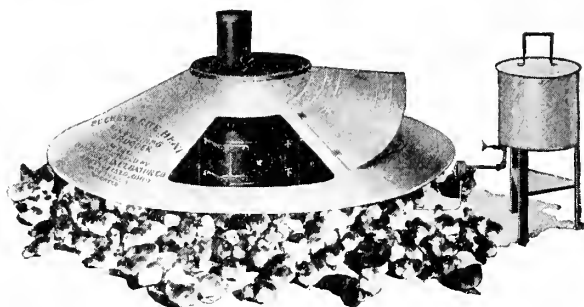
No. 14	No. 16	No. 17
65 Eggs	110 Eggs	210 Eggs
Shipping Weight	Shipping Weight	Shipping Weight
58 Lbs.	85 Lbs.	125 Lbs.
\$16.50	\$22.50	\$30.00

Guarantee

Every "STANDARD" or "STYLE E" BUCKEYE INCUBATOR is GUARANTEED to hatch MORE CHICKS and STRONGER CHICKS than any incubator of any other brand.

The perfect construction of all mechanical parts is also guaranteed, and any "STANDARD" or "STYLE E" incubator or part thereof that does not fulfill our guarantee in every particular, will be replaced without question any time within forty days. The same applies to our brooders.

(Signed) THE BUCKEYE INCUBATOR COMPANY.



The Buckeye Improved "Rite-Heat" Brooder.

The Buckeye Improved "Rite-Heat" Brooder

**IS THE GREATEST OIL-BURNING BROODER EVER
DEVELOPED**

A brooder that will take care of baby chicks in large numbers just as satisfactorily and under the same wide range of conditions as secured with Buckeye COAL-BURNING BROODERS. It can be operated in almost any temperature and depended upon to supply the correct amount of heat for brooding purposes. There is no limit to the heat it can produce and will care for chicks in a room of any size or temperature.

Large Capacity—Simple—Efficient—Economical—Low Oil Consumption.

Simple—Dependable Regulation.

The burner is made of cast iron and consists of only three pieces.

The burners are complete assembled and attached to stove before leaving factory.

Only necessary for operator to connect stove with oil container, place the canopy over the stove, and the brooder is ready to work.

The oil container has capacity of four gallons—sufficient for 24 hours under any weather conditions. Less oil in moderate weather.

ACTUAL RATING

"Rite-Heat" Brooders are made in two sizes, with 48 in. and 62 in. canopies, rated at 500 and 1,000 chicks respectively.

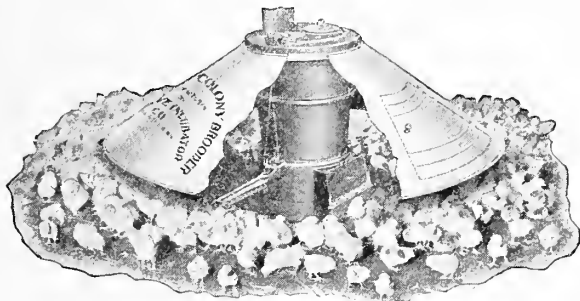
	No. 103	No. 104
Capacity	500	1000
Diameter of Canopy	48 in.	62 in.
Shipping Weight	108 Lbs.	118 Lbs.
Price	\$26.50	\$31.50

WE CARRY A FULL LINE OF REPAIR PARTS.

BUCKEYE COLONY BROODERS

BIGGEST BROODER VALUES EVER OFFERED THE PUBLIC

Prices Again Reduced.



The Coal Burning Buckeye.

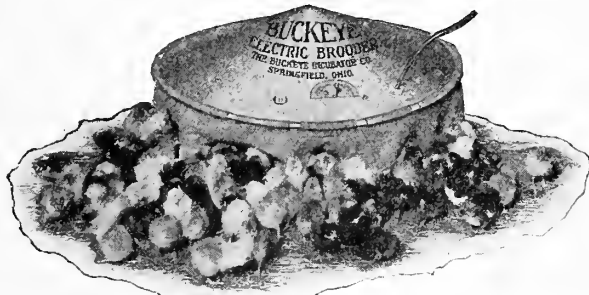
The Coal-Burning Buckeye

A Brooder that burns hard or soft coal, is self-feeding, self-regulating, simple, safe and everlasting. Nothing to break—nothing to wear out. Equipped with a double automatic regulator that absolutely controls the temperature every minute of the day and night. Stove is of heavy cast-iron, equipped with rocker grate. Self-cleaning and anti-clog.

The Buckeye Revolving Brooder Canopy

All Coal-Burning Brooders are equipped with a revolving canopy, with large door, eliminating the canopy bail, rope and pulleys, and permitting easier cleaning around the brooder. Note the following coal capacity, size, and weight of stoves, diameter of canopies, size of grates, and compare them with other Coal-Burning Stoves of the same chick capacity on the market today.

	No. 117	No. 118	No. 119
Chick Capacity.....	350	500	1000
Height of Stove.....	20 in.	20 7/8 in.	23 7/8 in.
Diameter of Base.....	11 in.	12 13/16 in.	13 1/2 in.
Diameter of Grate.....	8 3/4 in.	9 3/16 in.	10 9/16 in.
Diameter of Canopy.....	42 in.	52 in.	56 in.
Coal Capacity.....	23 1/2 lbs.	36 lbs.	58 lbs.
Smoke Pipe.....	4 in.	5 in.	5 in.
Shipping Weight.....	75 lbs.	95 lbs.	130 lbs.
NEW PRICE.....	\$14.75	\$18.50	\$22.50



Buckeye "Electric" Brooders.

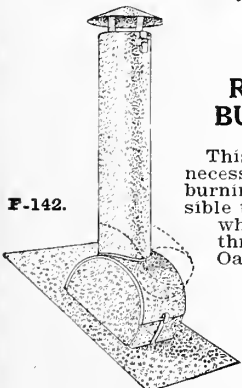
OAKES ADJUSTABLE ROOF SADDLE FOR COAL- BURNING BROODER STOVES

This new roof saddle does away with the necessity of having a chimney for a coal-burning brooder stove. This makes it possible to use your brooder in any suitable room where you can run the stovepipe up through the roof and connect it with the Oakes Adjustable Roof Saddle.

No. F-142 (for 4-in. pipe). Wt. 7 lbs. \$1.95

No. F-143 (for 5-in. pipe). Wt. 7 lbs. 1.95

F-142.



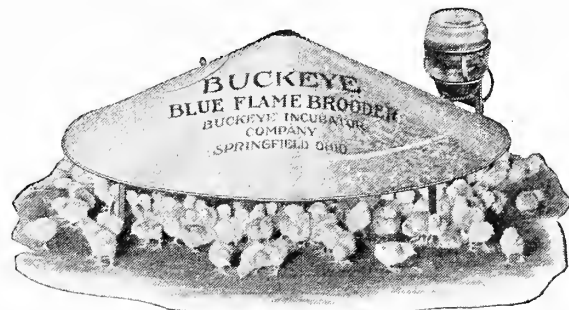
Buckeye Blue Flame Colony Brooder

This Brooder, with the new improved burner, is the most efficient and economical oil-burning brooder in the world. Equipped with a self-feeding oil-container holding one gallon. The hovers are of galvanized steel supported by cast-iron legs, and equipped with a heating plate in the top of the canopy, increasing the efficiency of the burner. No complicated levers, valves or thermostats. Self-feeding, self-regulating, simple, safe, durable, smokeless, odorless and noiseless.

No. 27-A	No. 80	No. 81
200 Chicks	350 Chicks	500 Chicks
Diameter 34 in.	Diameter 42 in.	Diameter 52 in.
Shipping Weight	Shipping Weight	Shipping Weight
36 Lbs.	44 Lbs.	55 Lbs.
\$16.75	\$17.50	\$18.50

For early brooding where a greater amount of heat is desired, we can furnish the 350 and 500-size brooders with Giant Burners under Model Numbers:

No. 28-A at \$19.50
No. 29-A at \$21.00



Buckeye "Electric" Brooders

After four years' experimental and development work, the Buckeye "Electric" Brooder has been perfected. Poultrymen can now secure a brooder heated by electricity that will give them maximum of brooding satisfaction without the disadvantages common with other brooders of this type.

Accurate—Dependable Electric Switch controls the turning on and off of current.

No sticking or burning out of contact points.

Sure—Safe—Reliable.

RATED ACTUAL CAPACITY

Buckeye "Electric" Brooders are made in four sizes and will actually take care of the quantity of chicks specified.

Compare the diameter of Buckeye canopies and chick rating with competitive brooders. Buckeye gains by comparison.

	No. 90	No. 91	No. 92	No. 93
Chick Capacity	50	100	200	300
Diameter of Canopy.....	26 in.	36 in.	46 in.	56 in.
Shipping Weight	19 lbs.	49 lbs.	75 lbs.	103 lbs.
Price	\$14.50	\$19.75	\$24.75	\$29.50

THE PUTNAM BROODER

This is used to heat a home-made brooder, which will take the best of care of from 30 to 60 chicks. Instructions for making brooder packed with every heater.

The Putnam Brooder Heater is made of brass and galvanized iron. It is practically indestructible.

Price of Putnam Brooder Heater Galvanized. \$4.75 postpaid. Illustrated circular on request.

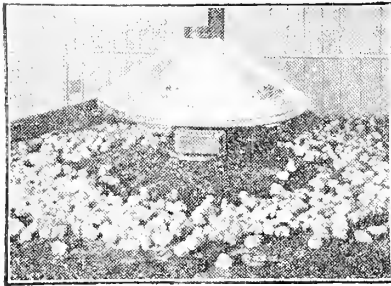


\$4.75 Post Paid

Burns 10 days without attention

NEWTOWN COLONY BROODERS

Will Raise Every Raisable Chick—Ask Any Owner



"A Newtown Mother"

The Newtown Coal Burning Brooder has the reputation of being the most efficient brooder made. It needs no introduction to poultrymen. It was the first coal-burning, self-feeding, self-regulating colony brooder put on the market, having been longer in use than any other of its type. It is giving efficient service in every State in the Union and eleven foreign countries, and represents the modern up-to-date brooder in the highest form of development. It is durable, easy to operate, safe, economical and labor saving.

Construction—Made of best grade heavy heat-retaining castings.

Easy to Operate—Nothing complicated—full instructions furnished with each brooder. Automatic regulator controls the drafts and no change in weather is too sudden for its adjustment.

Safe—Hot coals cannot roll out of the ash pit door into litter. Has a double bottom, with dead air space, and a heavy metal casting which prevents chicks from scratching litter against the hot firebowl.

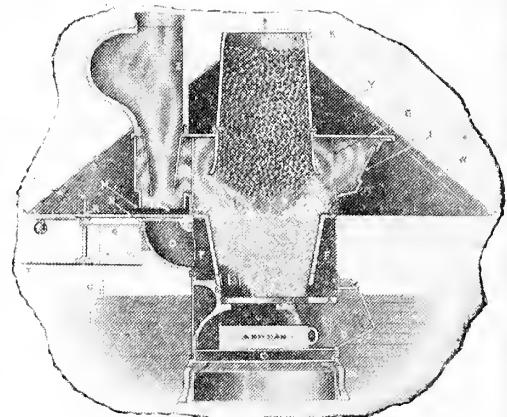
Economical—Built to last a lifetime. Firepot and combustion chamber designed to burn all gases, greatly reducing fuel cost.

Labor Saving—Requires little attention. Magazine holds sufficient fuel to last 24 to 36 hours. Turning one small adjusting nut enables one to secure any desired temperature. Deflector is not disturbed in coaling. Hinged deflector lid gives easy access to ash pit door. Smoke box ell prevents soot or other foreign matter falling down smoke pipe and interfering with draft regulation.

BIG EXCLUSIVE FEATURES

Note the cross section view of the Newtown Coal Brooder opposite. There is no brooder on the market which can be compared in any way to this brooder. When you think of these features you can see how Newtown is built to brood chicks under every emergency. It cares for all your chicks regardless of weather conditions. It burns a good grade of soft coal satisfactorily, as well as hard coal. It holds the fire and does not require constant attention. You don't have to get up at night to see if your chicks have enough heat. They're always safe and warm with Newtown.

Model.	Wt. Crated.	Chick Cap.	Coal Cap.	Dia. of Hoyer.	Dia. of Grate.	Price.
No. 7	170 lbs.	Up to 300	37 lbs.	48 inches	11 inches	\$25.00
No. 11	220 lbs.	Up to 500	43 lbs.	50 inches	11 inches	32.50
No. 12	306 lbs.	Up to 1000	62 lbs.	56 inches	15 inches	40.00

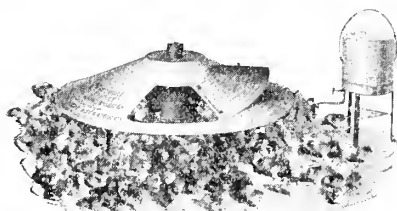


"A" to "Z" of the Newtown Brooder

"A" to "Z" of the NEWTOWN

A—Grate (Ring Grate and Slide Center)	F—Air Space Between Fire-bowl and Metal Jacket	K—Magazine Cap	S—Counter-Balance Weight
B—Grate Rest	G—Opening Between Combustion Chamber and Radiator	L—Smoke Box Ell	T—Thermostat
C—Air Space Between Double Bottoms	H—Radiator	M—Check Draft Opening	U—Thermometer
D—Sloping Surface to Ash Pit Door	I—Observation Door	N—Main Draft Opening	V—Sand Ring
E—Ash Pit Door	J—Coal Magazine	O—Lower Draft Elbow	W—Deflector Lid
		P—Damper Discs	X—Small Door in Canopy
		Q—Regulator Support	Y—Canopy
		R—Adjusting Nut	Z—Smoke Box Clean-Out

In ordering Repair Parts always give NUMBER OF BROODER STOVE AND NAME OF PART WANTED.



Saves Time and Labor.

THE NEWTOWN WICKLESS OIL BROODER

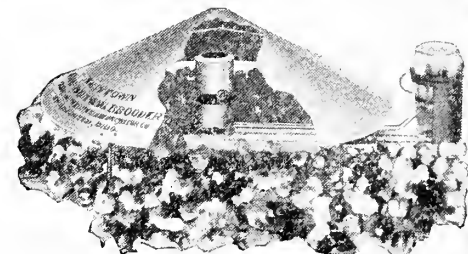
This Brooder is designed to take care of large flocks and will do everything that a Coal Burning Brooder will do. Many prefer oil because of labor and time saved in operation. This brooder has been improved and will regulate with absolute certainty, using less oil than any similar type on the market. Can be used in the coldest of weather with assurance of producing sufficient heat—easily regulated, operated and sold on 30-day money-back guarantee. MADE IN TWO SIZES ONLY.

Model	Chick Capacity.	Dia. of Canopy.	Price.
No. 88	500	48 inches	\$26.50
No. 89	1000	62 inches	31.50

THE NEWTOWN BLUE FLAME BROODER

This Brooder has been especially designed for late Winter and Spring brooding where houses are well constructed and temperature does not go below the freezing point. This brooder is economical to operate, easily controlled and has proven most successful in the hands of thousands of poultry raisers. This brooder also sold on 30-day money-back guarantee.

Model.	Chick Capacity.	Dia. of Canopy.	Price.
No. 500	200	34 inches	\$16.75
No. 501	350	42 inches	17.50
No. 502	500	52 inches	18.50



Metal Egg Crates

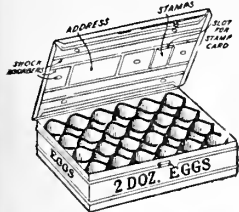
Sell Eggs by Mail to Your City Friends
Shipped in Aluminized Metal Egg Crates

Indestructible; made for inter-changeable shipments; lasts for years; pays for itself in a few shipments. Buy yours now and realize more money for your eggs. Your friends want them. Thousands now in daily use.

The Metal Edge Filler is a wonder. A new invention and cannot be beat for safely carrying eggs by mail. Light in weight and very strong.

Price of eggs in the city is about double the price obtained by the farmer at a local store for selected eggs. You might as well be receiving this added profit by shipping your eggs direct.

Butter and Eggs safely carried by mail in same crate. Can also be used in sending other products. See Combination Crate.

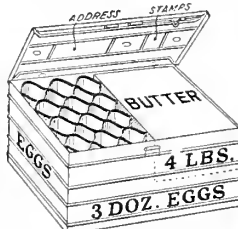


Metal Egg Crates

Mailing Rates

Weights Empty. Postage Empty. Filled.

1 doz. size.....	2 lbs.	7c	9c
1½ doz. size.....	3 lbs.	7c	9c
2 doz. size.....	3 lbs.	7c	10c
3 doz. size.....	4 lbs.	8c	12c
4 doz. size.....	5 lbs.	9c	15c
6 doz. size.....	6 lbs.	10c	19c
9 doz. size.....	8 lbs.	12c	26c
12 doz. size.....	10 lbs.	14c	32c
Comb. No. 1.....	3 lbs.	7c	10c
Comb. No. 2.....	4 lbs.	8c	15c
Comb. No. 3.....	5 lbs.	9c	18c



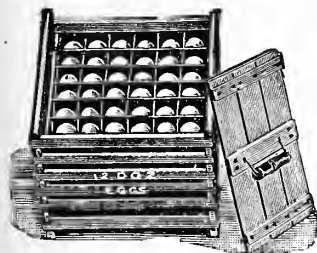
Combination Crates

Metal Egg Crates Prices

1 doz. size—all eggs.....	\$1.00	\$1.07
1½ doz. size—all eggs.....	1.25	1.32
2 doz. size—all eggs.....	1.50	1.60
3 doz. size—all eggs.....	1.75	1.81
4 doz. size—all eggs.....	2.00	2.09
6 doz. size—all eggs.....	2.50	2.59
9 doz. size—all eggs.....	3.25	3.35
12 doz. size—all eggs.....	4.00	4.14

Postpaid

No. 1—2 lbs. and 1 doz. eggs.....	\$1.50	\$1.57
No. 2—4 lbs. and 2 doz. eggs.....	2.00	2.08
No. 3—4 lbs. and 3 doz. eggs.....	2.25	2.34
No. 4—6 lbs. (3 2-lb. Containers).....	2.25	2.34
No. 5—12 lbs. (3 4-lb. Containers).....	2.50	2.60
No. 6—16 lbs. (2 8-lb. Containers).....	2.50	2.60
No. 7—24 lbs. (2 12-lb. Containers).....	3.50	3.75



"HUMPTY DUMPTY" EGG CARRIER—Fig. 5. A very light, strong and convenient egg crate and carrier. Made of hard wood slats securely fastened. The lid with handle, springs into position when crate is filled. Collapsible. 12 dozen, 75c. Parcel Post weight, 5 lbs.

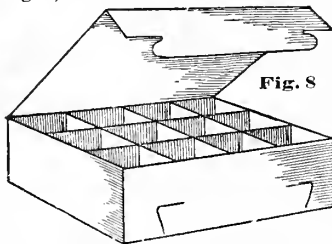


Fig. 8

M.-S. EGG BOX—Fig. 8. This is an ideal box for the retail egg trade holding 1 dozen, presenting the goods to the customer in an attractive package with the minimum amount of trouble for the seller. They knock down in very compact shape. 15c per dozen; weight, 2 lbs., \$1.25 for 125; weight, 11 lbs. \$2.25 per pkg. of 250; 1,000 \$8.00.

HOLED-TITE EGG CARRIERS—Put in eggs, fold over flat. If you wish, tie with string. Job is done. When opened, half of eggs are shown. Makes them look better and bigger. With this one-piece handy package, you can sell right from the case, or you can put up dozens in advance. Holed-Tite Carriers come nested flat in packages of 250 moulded to shape of eggs—ready to use. Eggs packed in this carrier won't be broken, except by deliberate mishandling. 250, \$3.00; postpaid, \$3.11; 1,000, \$10.00; postpaid, \$10.82.

COMMERCIAL EGG CRATE FILLERS—Will fit any standard shipping case. 12 sets to case. \$3.25, postpaid \$3.75; 35c doz., postpaid 45c.

Breeders' Magic Egg Tester

Is now universally used by poultrymen everywhere to select the strongest eggs for hatching BEFORE incubation. Requires no skill nor expense to operate—just a pair of hands and eyes. Tests 400 eggs per hour, and the greatest money saver in the realm of poultry supplies. Fully guaranteed, \$2.50 each.

X-RAY EGG TESTER. Fig. 1. Fits most any lamp or electric bulb. 25c, postpaid 35c.



Fig. 1.

Oakes Automatic Egg Scales

(Patent Pending)

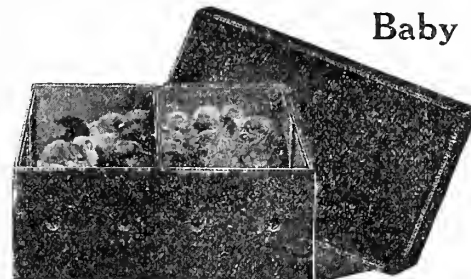


The practice of sorting eggs by weight has been widely adopted and is strongly recommended by both state and national departments of agriculture and poultry associations. In addition, thousands of hatcherymen have found that it does not pay to set eggs weighing less than 22 ounces to the dozen.

Oakes Automatic Egg Scales make egg-grading easy. They are made of metal throughout and are entirely automatic. No. F-54 can be set to grade 18, 20, 22, 23, 24 or 26 ounces to the dozen. No springs. Nothing to get out of order. No weights to get lost. Length 12½ inches.

No. F-54—Capacity, 18 to 26 ounces. Parcel post wt. 1 lb. Each 75c

Baby Chick Boxes

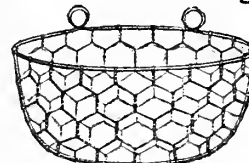


BABY CHICK SHIPPING BOX

Made of corrugated paper, extensively used, will carry chicks any distance with perfect safety. Are shipped knocked down and take up small amount of space.

	Wt. of box.	Size.	Each.	Doz.
25 chicks	1	9x11x5½	20c	\$1.75
50 chicks	2	18x11x5½	25c	2.50
100 chicks	3	18x22x5½	30c	3.25

Nest Eggs and Wire Nests



These nests are strongly made from coppered wire, reinforced with coppered steel ribs, and will last for years. They are intended to fasten to the wall with screws or screw hooks. There is no room on them for lodgment of lice or vermin of any kind; they are easy to keep clean, and are far superior to wooden boxes. Price, each, 25c; \$2.50 per dozen. Parcel Post wt. 1 lb. each.

Opal Nest Egg—Prices: 5c each; dozen, 40c. Special price on quantities. Weight, 1 dozen, 1 lb.

M.-S. Lime Nest Egg—Will last indefinitely; looks most natural. 5c each; 50c dozen, postpaid.

Chatfield's Naphthalene Nest Eggs—Keeps vermin away, disinfects nest. 5c each, 50c doz., postpaid.

Incubator and Brooder Repairs

We carry a full line of Buckeye Incubator and Brooder Repairs. Let us know what you need and we will quote.

Incubator Wicks—State sizes wanted. Price, 2 for 5c; doz. 25c, postpaid.

Brooder Wicks—State sizes wanted. Price, 2 for 5c; doz. 25c, postpaid.

Putnam Stove Wicks—2 for 5c. Holder and Wick, 10c.

Putnam Heater Wicks—2 for 5c. Holder and Wick, 10c.

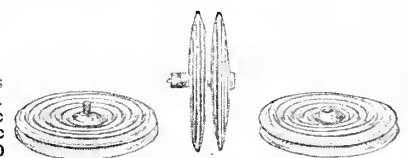
Incubator and Brooder Lamp Burners—For Buckeye, Cyphers, and other makes. No. 2 and 3—Large size, 95c; No. 1 takes 1 in. wick, has large flame, 75c; small size, No. 0, 55c. Mailing weight, either size, 1 lb.

Chimneyless Brooder Lamp Burner—Price 75c. Mailing wt. 1 lb.

Metal Chimney—To fit above burners. 30c; postpaid, 35c.

Metal Wafer Thermostat

All brass, fits all makes brooders and incubators. 3-inch 50c
4-inch 80c
5-inch \$1.00
via parcel post, 5c extra.



Incubator Lamp Tanks without Burners—small size, \$1.15; medium size, \$1.25; large size, \$1.40. Parcel Post wgt., 3 lbs.

Gas Burner for Incubators—Price, 50c each, postpaid.

M.-S. LICE PROOF ROOST SUPPORT

These are indispensable in any poultry house, lice and mite are what stop your hens

from laying. Price, 50c a pair (either straight or curved). Parcel Post weight, 3 lbs.

Little Putnam Stove for Poultry Fountains and Oat Sprouters

This little device will keep water from freezing in zero weather. It holds 6c worth of oil and burns a month without filling or trimming. Fool proof and fire safe. Used under any can, crock or fountain.

Over 80% of an egg is water. To get lots of eggs in winter, you should keep unfrozen water constantly before fowls. One cold day with water frozen, may stop egg production for a month.

A Little Putnam Stove is also used to heat a home-made oat sprouter. Plans for making sprouter packed with every stove. A 14-year-old boy can build the sprouter in two or three hours with no tools but saw and hammer. The materials required need not cost more than 50c. Price of Little Putnam Stove, Galvanized, \$1.95, postpaid. Illustrated circular on request.



Postpaid
\$1.95

Burns a Month Without Attention

Leg Bands for Poultry, Pigeons, Etc.

ALL POSTPAID

Tell the age and different strains of your poultry.

Table of sizes of bands for different breeds. Order by number.

No. 1—Bantams and small Mediterranean females, etc.
No. 2—Ordinary Mediterraneans and pit game females, etc. in Bandettes and Spiralets No. 8.

No. 3—Mediterranean males, American females, pit game males, in Bandettes and Spiralets No. 11.

No. 4—American males, medium Asiatic females, turkey hens, etc., in Bandettes and Spiralets No. 12.

No. 5—Ordinary large Asiatics and tom turkeys, etc.

No. 6—Tom turkeys and geese.

SPIRALET LEG BANDS are made of celluloid in different colors; black, white, light blue, dark blue, red, green, yellow, brown, etc. Prices: Three Poultry Sizes to correspond with Nos. 2, 3 and 4 in above list; 12, 15c; 50, 50c; 100, 75c; 1,000, \$6.50. Pigeon and Day Old Chick Size; 12, 10c; 25, 20c; 50, 35c; 100, 50c.



Bandette.

"SMITH SEALED" BANDS—If you want the best be sure you get "Smith Sealed" stock numbered bands. Every band is numbered different. Prices, dozen, 35c; 25, 60c; 50, \$1.00; 100, \$1.75; 250, \$4.00; 500, \$7.75; 1,000, \$15.00.

SEALERS FOR SEALING S. S. BANDS—Plain, \$1.05; lettered jaw, \$1.15.

"DOUBLE-CLINCH" LEG BANDS—Made in sizes as table. A strictly reliable open or removable band. Fastens with two clinches, leaving absolutely no exposed corners, ends or loops to come loose. Prices, dozen, 20c; 25, 30c; 50, 50c; 100, 75c; 250, \$1.75; 1,000, \$6.50.

DOUBLE-CLINCH FOR PIGEONS AND BABY CHICKS can also be used as wing bands; in two sizes. Price, dozen, 15c; 25, 25c; 100, 70c; 1,000, \$6.00.

"CHAMPION" LEG BANDS—Fig. 2. Adjustable in two sizes. Large for American, small for Mediterranean breed. Price, dozen, 15c; 25, 25c; 50, 40c; 100, 75c; 250, \$1.75; 1,000, \$6.50.

"COLORED" ECLIPSE POULTRY BANDS—Made in twelve colors. Black numbers on white ground on two sides of the band; can be read at several feet distance. Order as to numbers above No. 2 for Leghorns, etc. Prices, dozen, 40c; 25, 75c; 50, \$1.50; 100, \$3.00.

Pigeon Bands

SEAMLESS PIGEON BANDS—Made in three sizes. Prices, dozen, 30c; 25, 60c; 100, \$1.50; 1,000, \$12.50.

OPEN CHICK, OR PIGEON BANDS—Prices, dozen, 15c; 25, 25c; 50, 40c; 100, 65c; 1,000, \$5.25. Fig. 6.



Fig. 7

ELITE DOUBLE NUMBER COLORED PIGEON BANDS—For marking nest pairs. This band is the most visible, most practical and effective numbered leg band made; in colors that can be seen at a distance—in 14 colors, black numbers of white. Prices, 6 pairs, 30c; 12 pairs, 60c; 25 pairs, \$1.15; 50 pairs, \$2.25. Fig. 7.



Fig. 6

Thermometers, Instruments, Etc.

Buckeye Incubator Thermometer, postpaid, \$1.00
Buckeye Brooder Thermometer, postpaid, \$1.25.
Buckeye Electric Brooder Thermometer, postpaid, \$1.25.
Cyphers Incubator Thermometer, postpaid, \$1.00.
Cyphers Adaptable Hover Thermometer, \$1.00, postpaid.

"Tycos" Incubator Thermometer, No. 5770 — Many poultry raisers prefer the standing type of Incubator Thermometer. No. 5770 is made with metal legs, which fold under and may be adjusted to almost any desired position. Sets in among the eggs on the floor of the incubator. Made in mercury tubes only. Price, 75c each; postpaid, 85c.



"Tycos" Incubator Thermometer, No. 5774 — Most popular. Suitable for any incubator. Price, 75c; postpaid, 85c.

Tycos Certified Thermometer No. 5782 — Price, \$1.00.

"Tycos" Brooder Thermometer, No. 5776.



Thermometer No. 5776.

5792—Mounted. Price, 60c; 70c postpaid.

"Tycos" Incubator Hygrometer, No. 5796—Price, \$1.50. Extra wicks, 10c each, postpaid.

Philadelphia Caponizing Set—In plain box, \$2.50. In velvet lined box, price, \$2.75.

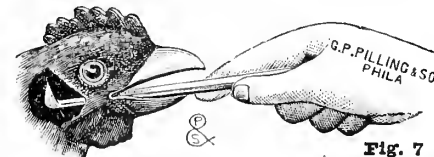


Fig. 7



Fig. 6



Fig. 5

Fig. 6

GAPE WORM EXTRACTOR—Price, 25c, postpaid.

PHILADELPHIA POULTRY MARKER—Large and small. Price, 25c, postpaid. Fig. 5

POULTRY MARKER — In shape of plyers. 25c, postpaid. Fig. 6.

MOES POULTRY PUNCH—Fig. 8. The best punch made, easy to handle and will not bruise the web of the little chicks foot, 50c, postpaid.

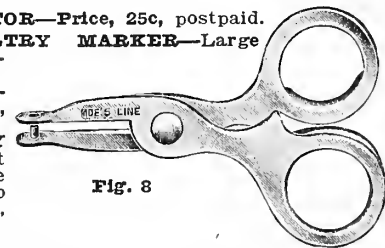


Fig. 8

Anti-Setting Device

STOPS THE HEN SETTING

Breaks 'Em Up in 24 Hours (Patent Applied For)

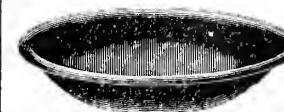
Does not in any way injure the fowl. Requires five seconds to apply. Wrap around the leg joint blank sides front and back; allow the hen to feed and run with the flock 24 hours, then remove. Price, 15c each; \$1.50 dozen, postpaid.



Does the Work Better in 1/2 the Time

Mehler Scraper — Positively the best and handiest tool which has ever been offered to Poultry Keepers. Works both ways coming and going. Made of the very best hard pressed steel. Price, \$1.00.

Pigeon Nests



Clay Pigeon Nest—Fills a long-felt want for all squab breeders. Price, 25c each, \$2.50 dozen. Express only.

Everlastic Rubber Roofing

Look at the label before you buy! If the label reads "Barrett Everlastic Roofing" you are perfectly safe. You are sure of a moderate-priced roof that will give many years of satisfactory service.

Medium—108 sq. ft., width 3 ft., guar. 10 yr. \$2.50
Heavy—108 sq. ft., width 3 ft., guar. 15 yr. 3.00

Mineral Surfaced Roll Roofing

Everlastic—Red, Green or Blueblack. Weight 90 lbs. \$2.50.

Vitex—Red or Green. Weight 75 lbs. \$2.25.
Both 108 sq. ft. 3 ft. wide.

Prices on Roofing Subject to Change Without Notice.

Barrett Liquid Elastigum

Barrett Liquid Elastigum is a cement in liquid form that gives new life to old roofs. It forms a tough, impervious coating over the entire roof, closing cracks and small holes that would otherwise admit moisture, thus making the roof practically one solid piece and, as far as utility goes, almost as good as new. It spreads readily and any one can apply it. Price, \$1.25 per gal.; 5 gal. \$4.00.

Moe's Oat Sprouter

Steel frame, well braced and painted. With six heavy galvanized iron pans which are interchangeable. Provides the very necessary green feed at all seasons.

Total height, 3 ft. Size of pans, 16x18 inches.
No. 110—Oat Sprouter. Ea. \$6.00

"Sun-Lite" Oats Sprouter

Made of galvanized iron, each 18-inch perforated pan or tray can be removed separately. No lamp or fuel required.

Put in the oats, moisten a little daily and in three or four days you can feed sprouts. Sections and trays can be purchased to increase capacity as desired.

No. E-62—3-tray, each \$5.25
No. E-63—6-tray, each 6.50

"Red Chief" Grinding Mills

No. 1—For Small Poultry Raisers. Price, \$4.00.

No. 5—With large capacity, feed gauge and fly wheel. Clamps to box. Price, \$7.75.

No. 10—With feed gauge, fly wheel and handsome stand to screw on table. Price, \$9.50.



"Red Chief" Corn Sheller

Heavy in construction, with patent oval-shaped teeth which are arranged to shell rapidly and avoid injuring the grain. Price, each \$2.50; weight 12 pounds.

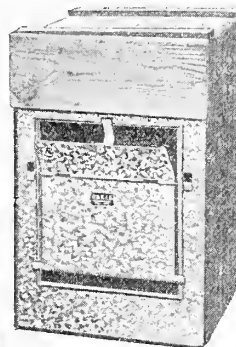
Oakes Electric Fountain Heater

Keeps drinking water from freezing even in zero weather. Safe and easy to use. No danger of fire or explosion. Cost averages about a cent a day. Used with any type fountain, pan, crock or bucket. Set water vessel on heater and turn on current. That's all there is to it! No adjusting! No regulating! No watching! Pays for itself in winter eggs. Heater is 8 inches in diameter, 1½ inches high and made of heavy galvanized metal. Built for service. Money promptly refunded if unsatisfactory after ten days' trial. Price, \$1.75; postpaid, \$1.85.



Oakes 3-Way Electric Fountain Heater

Operates on three temperatures—high, medium and low. \$3.00, postpaid.



Oakes Single Front for Trap Nests

(Patent Applied for)

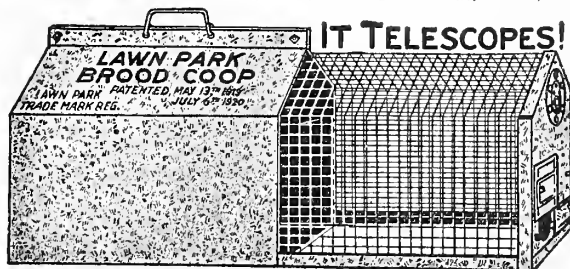
You can use this front to make a trap nest out of any ordinary orange box, small dry-goods box, etc. Entirely practical but inexpensive.

Opening 9 x 10½ inches.
No. E-59, each, 35c; postpaid, 45c.

Gentlemen:

The No. 81 Buckeye oil-burning Brooder which I purchased from you is hard to beat. Out of a lot of 200 chicks I raised 196 of them with the brooder and I consider that remarkable.

Yours very truly,
GEORGE VULLMER, Fork, Md.



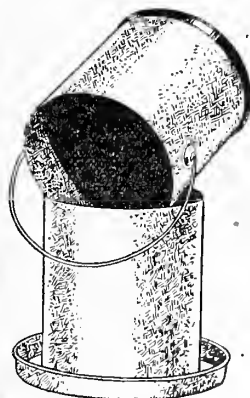
IT TELESCOPES!

PROTECTS THE CHICKS FROM HAWKS, RATS, WEASELS, VERMIN, COLD, STORM, ETC.

SAVES TIME, WORK AND WORRY.

The "Lawn Park" Brood Coop. Pat. May 13, 1919.

The "Lawn Park" is large and roomy, being 18 inches wide, 19½ inches high, and 48 inches long, with park extended. The coop and the park are of equal length. The park permits the chicks to have plenty of sunshine and fresh air, and also allows them to range on grass. Can be moved from place to place easily, thus giving them a fresh supply daily. Coop has removable bottom for quick and easy cleaning. Made of metal; will last years. \$4.00 each. Cannot be sent by parcel post.



Royal Fountains—203, 205, 208

Made from heavy galvanized iron, double tank construction, of large capacity for grown fowls or chicks. Permits the fowls to drink all around fountain.

No. 203—3 gal. size. Price, \$1.50; postpaid, \$1.65.

No. 205—5 gal. size. Price, \$2.25; postpaid, \$2.45.

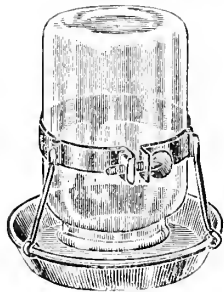
No. 208—8 gal. size. Price, \$3.00; postpaid, \$3.25.

Gentlemen:

The 600 chicks which I received from you are doing nicely; only one is dead. They were a very nice lot of chicks and I am very well pleased with them.

Yours very truly,
GEORGE H. LONG, Arnold, Md.

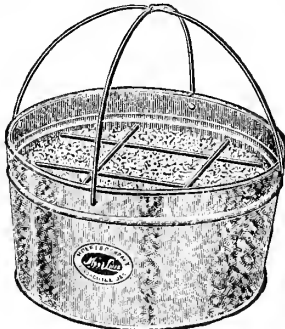
CHICK FEEDERS, POULTRY & PIGEON FOUNTAINS



Felker's Handy Attachment

To Be Used With Any Make of Fruit Jar.

A perfect Feeder for sour milk, water, hard grain or grit. The container is made of aluminum, the only metal in which sour milk can be fed with safety. It is rust-proof and non-corroding. The Handy is adjustable, simple to operate and durable. Every one has some kind of a quart fruit jar—the Handy fits them all. 25c each, for postage add 5c.

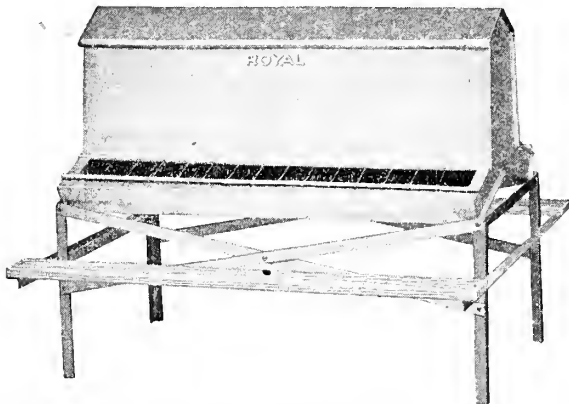


Overall Mash Hopper

Overall Mash Hopper

All steel, galvanized. Cap. 6 qts. Price, 75c, postpaid 85c.

Royal Mammoth Mash Hopper

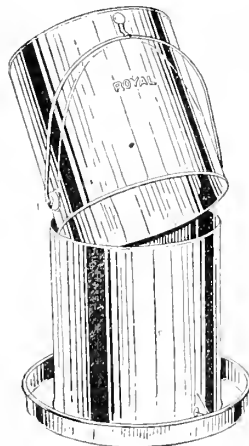


Large capacity hopper made from heavy galvanized iron of sufficient size to accommodate full hundred pound bag of mash. Hopper is larger and wider at the top, provided with slide top which slides on heavy galvanized rolls. Stand is made from heavy galvanized angles and has wooden bars for fowls to rest on. Length of hopper, 36 in.; capacity, 100 lbs.

No. 8S—Price, \$10.00, too large for parcel post.

No. 0 Royal Jar Fountains

This Fountain will fit any Mason Jar, and is intended for feed and water. 15c each; 2 for 25c; \$1.25 dozen, postpaid.

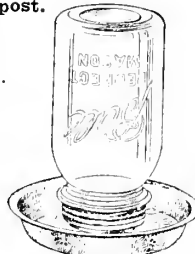


No. 00 ROYAL JAR FOUNTAIN—Same as above, but made of charcoal tin, to be used for feeding sour or buttermilk. 25c each, \$2.00 doz., postpaid.

Royal Charcoal Tin Large Buttermilk Fountains

These fountains are made from 135 lb. charcoal tin and have two large openings, one on each side, with a piece of spring steel attached to two pieces of metal in the inside; in order to keep the milk from running out when the fountain is being filled, when the outer can is slipped down over the inner one, the pressure on these springs opens both holes and permits the feeding of all kinds of buttermilk. No reversing. Easily cleaned and filled.

No. 30—Size 1 Gal. Price, \$1.25; postpaid, \$1.35.



Royal Chick Feeders



ROYAL CHICK FEED TROUGHS—Extra heavy slide top made from best quality prime galvanized sheets accurately formed with dies; smooth turned edges on all holes. Deep enough to hold sufficient feed for growing chicks under brooders. Strictly a quality trough. Made in 3 sizes.

No. 212—Length 12 in.; No. of holes 16. Postpaid 35c.

No. 218—Length 18 in.; No. of holes 26. Postpaid 45c.

No. 224—Length 24 in.; No. of holes 34. Postpaid 55c.

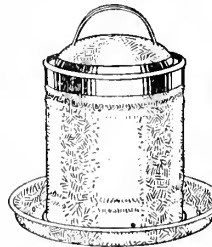
"PEERLESS" DRINKING FOUNTAIN keeps the water clean and pure. 5 qts. 90c; 10 qts. \$1.50. Fig. 3.

If to go by mail, add 10c to each size.



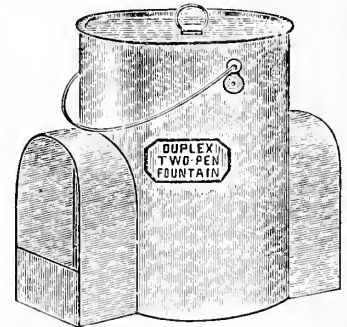
Fig. 3.

No. 31 ROYAL FOUNTAIN

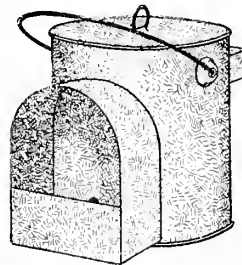


This Fountain is made in two pieces of galvanized iron. Can be used for growing chicks and large fowls. Capacity, 4 qts. Price, 50c; 60c postpaid.

Top Section Slides Into Bottom Section.



Two-Pen Fountain.



TWO-PEN CLEANOUT FOUNTAIN—Like above, but constructed with two drinking spaces. Eight quart. Price, \$1.65; postpaid, \$1.75; 5 gal. \$3.00, postpaid, \$3.15.

ROYAL TWO-PIECE CLEANOUT WALL FOUNTAIN—A big improvement over the old style Wall Fountain. Made in two pieces. Easy to clean, dead air space between cover and reservoir keeps water cool in summer and from freezing in moderate winter weather. Price, 4-qt. size, \$1.15, postpaid, \$1.25; 8-qt. size, \$1.40, postpaid, \$1.50; 5 gal. \$2.75, postpaid, \$2.90.

No. 30 ROYAL ALL-GALVANIZED LARGE CAPACITY CHICK FOUNTAIN—Made from heavy galvanized iron in two pieces. Top made with bail for carrying. Base pulls off to fill.

BEST FOR BABY CHICKS



3 Pans 75c POST PAID 4 Pans \$1

It fits any Mason jar. The top of the pan can be removed in a second clean or fill. 25c each; 30c postpaid.

Pressure of air and grooves in pan hold weight of water and fountain may be carried by handle without fear of spilling.



No. 30—Capacity 1 gallon. Price, 50c. Postpaid, 60c.

FEED CUPS for Exhibition and Training Cages

Large size, No. 1, 20c each; \$1.75 dozen; small size, No. 0, 15c each; \$1.50 dozen. Parcel post weight, 1 lb.

POULTRY AND PIGEON FEEDERS AND FOUNTAINS

Royal Thermic Fountains

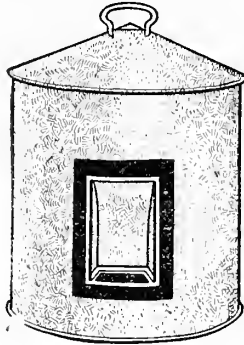
Keeps water warm in winter. Keeps water cool in summer.

The fountain that has won the highest favor among the leading poultry men everywhere. It is indispensable on the poultry farm. Constructed similar to a fireless cooker. Has double walls packed with insulating materials to keep the water warm in winter and cool in summer. Wide inserted drinking pocket makes this fountain absolutely sanitary. Made of the finest materials and best workmanship throughout.

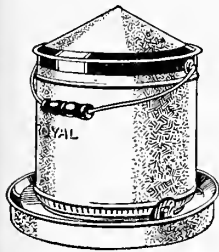
For cold weather fill with warm water in the morning.

This fountain will keep the water in good drinkable condition through the day. Made in three sizes.

- 2 gal. size \$3.00 each, postpaid \$3.25.
- 3 gal. size \$3.50 each, postpaid \$3.80.
- 5 gal. size \$4.50 each, postpaid \$4.85.



ROYAL CLEANABLE THERMIC FOUNTAIN—This fountain is made from heavy galvanized iron with insulation that keeps the water warm in winter and cool in summer. The lower pan is also insulated to prevent the water that will be exposed to the air from freezing on account of coming in contact with the cold ground or floor. Many birds, in place of just one or two, can drink at one time. It is very easily filled and cleaned, as the outer, which is the insulated tank, slips down over the inside tank into which the water is poured. No valves to get out of order. The outer tank fastens to a metal projection with just a slight turn to the right, after it has been put in place. A very slight amount of water is out in the trough at any one time, and on account of the over-hang of the insulated outer part of the fountain, much dirt or litter is prevented from getting into the trough. It is, however, recommended that the fountain be set up off the ground. Furnished with heavy bail for carrying. Capacity 5 gallons. Price, \$4.50; postpaid, \$4.85.



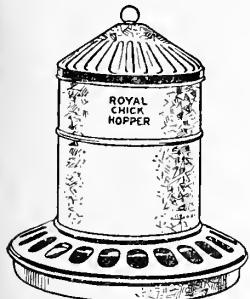
Leader Fountain

A new Sanitary Fountain, practical to use, easy to keep clean. A saving of from 30 to 40 per cent over any fountain of its size.

Price, 1½ gal. size, 85c each; postpaid, 95c.

The 3 gal. size has two drinking spaces, making it very convenient for large pen fowl. These fountains hang on the wall with two nails, one at each angle of the bail.

Price, 3 gal. size \$1.50 each; postpaid, \$1.60.



No. 56

No. 56—ROUND DRY MASH FEEDER. Capacity 1 peck. Ample feeding space. Price, \$1.25; postpaid, \$1.35.



Patent applied for.

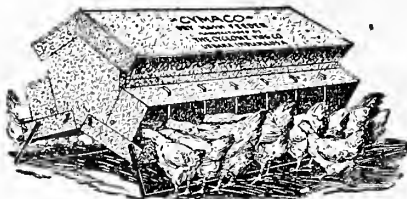


Fig. 1.

Gentlemen:

The Buckeye incubator which I purchased from you last year has proven very satisfactory and I am very well pleased with it.

Yours very truly,

WM. PETTIGREW,
Earleigh Heights, Md.



ROYAL LARGE CAPACITY CHICK HOPPER—Made from heavy galvanized iron with slide top. Turned edges on all holes over feeding trough. Most economical of large chick hoppers on the market.

No. 424—Length 24 in.; number of holes 34; mash capacity 17 qts. Price, \$2.25; postpaid, \$2.50.

No. 436—Length 36 in.; number of holes 54; mash capacity 26 qts. Price, \$2.75; postpaid, \$3.00.

ROYAL CAPACITY CHICK HOPPER—Like above, but made of slightly lighter material.

No. 42—Length 24 in.; number of holes 34; mash capacity 12 qts. Price, \$1.25; postpaid, \$1.40.

No. 63—Length 36 in.; number of holes 54; mash capacity 18 qts. Price \$1.75; postpaid, \$1.90.

Oakes Never-Dry Waterer

Automatically controlled flow of water. Easily attached to hose or water pipe. Will take care of large or small flock. Nothing to get out of order. Fowls cannot scratch dirt or litter into it, nor get into the water, or roost on this device.

No. E-35, each \$4.90, postpaid \$5.10.



Oakes Combination Fountain and Heater

The finest outfit made for year-round use. Exceptionally well made of best quality galvanized steel. Lamp burns ordinary kerosene. Operates thirty hours on one filling. Chickens can drink all around the fountain.

No. F-38—Cap. 3 gals. Each \$4.00; postpaid, \$4.20.

No. F-39—Cap. 5 gals. Each \$4.75; postpaid, \$5.00.

No. F-40—Cap. 8 gals. Each \$5.95; postpaid, \$6.25.

No. F-42—(Heater only, for F-38, F-39).

P. P. wt. 2 lbs. Each..... 1.75

No. F-43—(Heater only, for F-40). P. P. wt. 2 lbs. Each..... 2.00



FELKER'S "1-2-3" GRIT AND SHELL FEEDER—Fig. 1

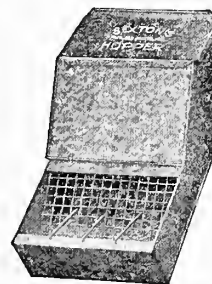
For dry mash, scraps, shells, grit, charcoal or any poultry feed. When used for one kind of feed only, take out separator in one end; three

kinds, say scraps, shell and grit, put separator in middle, and you have three separate feeders. Price, \$1.35; postpaid, \$1.45; small size, 75c; postpaid, 85c.

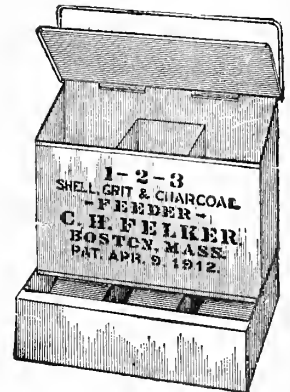
Sexton's Dry Feed Hopper. Easy to fill and no waste.

No. 1.—Capacity, 12 qts. No. 4.

Price, \$1.50; postpaid, \$1.65.



No. 4



No. 1

"Cymaco" Dry Mash Feeders Fig. 1.

Solve the Feeding Problem

The feeder that has won the highest favor among thousands of poultry man and farmers throughout the country. The CYMACO feeder is made of the best galvanized steel with enameled steel legs to hold the feeder off the ground. The flow of the feed may be regulated by means of two thumb screws at either end of the feeder. Agitators are worked automatically by the fowls while feeding. The CYMACO accommodates twice as many hens as the ordinary hopper feeder. CYMACO is provided with a catch tray which prevents waste of feed and provides a means to close at night.

No. 12—Capacity ½ bu. Each \$2.50; postpaid, \$2.65.

No. 24—Capacity 1 bu. Each \$3.75; postpaid, \$4.00.

On Articles Not
Marked Postpaid
Allow 7c for the
1st lb. and 1c for
every additional lb.

Poultry Foods, Tonics, Disinfectants, Etc.

Prices on All Foods Subject to Change Without Notice

"AMERICAN" TURKEY POWDER—It is sure to raise your young turkeys to healthy birds. Shipping weight, 2 lbs. Price, 30c.

ALFALFA CLOVER MEAL—Rich in protein and especially desirable for young birds. 5c lb.; 100 lbs. \$3.00.

BARLEY—Principally fed for making feathers and bone. 5c lb.

BEEF SCRAPS—Very rich in protein; 50 to 55 per cent protein, 12 to 15 per cent fat, 1 to 2 per cent fibre. 8c lb.; 10 lbs. 75c; \$5.50 per 100.

BONE FLOUR—Very beneficial as a bone builder. 10c lb.; \$5.00 100 lb.

BRAN (Wheat)—For mash, etc. An excellent egg maker and very nutritious. 5c lb.

BUCKWHEAT—Fed very largely as change of diet. 6c lb.

BUTTERMILK SEMI-SOLID—1 gal. can, \$1.00; 5 gal. pail, \$4.15; 140 lb. barrel, these vary in weight, at \$7.00 per 100 lbs.

CANADA PEAS—Principally fed to pigeons. 7c lb.

CHARCOAL—Three grades, fine, medium and coarse. Disinfects the bowels and tones up the whole system. 1 lb. 8c; 35c for 5 lb.; 10 lbs. 60c; \$2.00 for 50 lbs.; 100 lbs. \$3.50.



CHICK MANNA—Is a complete food in every respect, requiring nothing more for the first ten days. Price, 1 lb. 15c; 3 lbs. 40c; 5 lbs. 60c; 15 lbs. \$1.65; 100 lbs. \$8.50.

CORN CHOPS—Suitable for either mash or feeding little chicks. 5c lb.

CORN CRACKED—Carefully sifted; fine or coarse. 1 lb. 5c.

CORN WHOLE—5c lb.

GLUTEN MEAL—For feeding to both poultry and cows. 1 lb. 5c.

GRIT (Cockeysville Egg Shell)—Fine, medium and coarse. 5 lbs. 15c; 25 lbs. 50c; 50 lbs. 75c; \$1.25 per 100 lbs.

GRIT (Red Cross Health)—For pigeons. 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 65c; 50 lbs. \$1.25; 100 lbs. \$2.25.

HEMP SEED—Fed largely to pigeons, also to poultry during winter months. 8c lb.

KAFFIR CORN—Makes a fine food for pigeons, also used for poultry. 5c lb.

LINSEED MEAL—For feeding with the regular ration during the moulting period. 5c lb.

MARGARET MAHANEY BLACK HEAD REMEDY PILLS AND SALVE—For turkeys; sure cure. Price, \$1.00, postpaid.

MIDDINGS—An excellent change in combination of a mash. 5c lb.

MILLET (for feeding)—Highly nutritious and used extensively for pigeons and young chickens. 6c lb.

OATS—Splendid for sprouting. 5c lb.; Rolled Oats, 6c per lb.

OAT MEAL (Pin Head)—An excellent food for young chicks after they are a few days old. 6c lb.

OATS HULLED—A splendid food for young chicks. 6c lb.

OATS GROUND—This makes an excellent dry feed when combined with other similar ration. 5c lb.

OYSTER SHELLS—Fine and coarse. 5 lbs. 15c; 50c for 25 lbs.; 50 lbs. 75c; \$1.25 per 100 lbs.

OCULUM—Beneficial for fowls in bowel trouble, roup, diarrhoea and sore head. Price, 50c.

PIGEON FOOD (PRATTS)—Containing the best of grain. No corn. 6c lb.; 100 lbs. \$4.50.

SUNFLOWER SEED—For poultry, parrots, etc., 10c lb.; 10 lbs. 80c.

TOBACCO STEMS—1 lb. 5c; 50 lbs. \$1.75; 100 lbs. \$3.00.

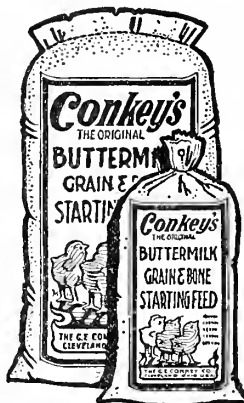
POUL TOBACCO (Tobacco Powder and Tonic)—For the elimination of large and small round worms in poultry and as a tonic. Use 2 lbs. to 100 lbs. of mash. 2-lb. carton, 35c; postpaid, 43c; 100 lbs. \$5.50.

Egg Preserver

Put your eggs down in the spring and summer when they are cheap and keep them fresh for ten months. One gallon makes sufficient solution for 50 to 60 dozen. Price, 1 quart, 35c; 1 gallon, \$1.00. Liquid not mailable.

Conkey's

THE ORIGINAL BUTTERMILK FEED
Prices Subject to Change.



For Baby Chicks

Conkey's Buttermilk Starting Feed was the first commercial feed containing buttermilk—that is why we call it the only ORIGINAL buttermilk starting feed.

Conkey's did not "just happen"—it is a scientifically-balanced feed as clean and wholesome and as conscientiously prepared as "infant food." Selected, plump grains, ground to proper fineness, are combined with other ingredients so as to make the feed readily digestible, palatable and nutritious. TASTE it, SMELL it, that's the way to judge a chick feed.

Guaranteed Analysis—Crude Protein, 14%; Crude Fibre, 4%; Crude Fat, 3%; Nitrogen Free Extract, 56%; Carbohydrates, 60%.

Ingredients—Semi-Solid Buttermilk, pinhead oatmeal, a special wheat middlings, whole corn meal, corn feed meal, granulated bone and blood flour.

Packed in convenient sizes from 2½ lbs. up. Buy 1½ lbs. for every chick.

Price—2½ lbs. 20c; postpaid 29c; 5 lbs. 40c, postpaid 51c; 10 lbs. 65c, postpaid 82c; 25 lbs. \$1.50, postpaid \$1.81; 100 lbs. \$5.00. Not postpaid.

THE LEADING POULTRY LITTER

O K Poultry Litter is used by most professional poultrymen because it has the reputation for being the best.

It is absolutely sanitary. It is decidedly economical, and makes the cleaning of poultry houses a matter of little worry because they need not be cleaned more than once a season.

Also many other advantages. Let us tell you about them.

Bale of 19-20 bushels, \$3.50; peck 35c; ½ bus. 60c; 1 bus. \$1.00.



Bird and Fish Foods, Catnip Mouse



	Lb.		Lb.
Canary Seed	15c	Thistle	45c
Bird Rape	15c	Sunflower	10c
Millet	08c	Hemp Seed	08c
Poppy or Maw	30c	Mixed Bird Seed	15c

Special price on all the above in quantities.

Flax Seed.....25c

Cuttle Fish Bone—Price, 5c each; 50c lb.

"Gloria" Song-Restorer Food—This is scientifically proportioned and has been fed with great success. Price, 1 lb. 25c

For-get-me-not, Wild Bird, Seed Mixture—Feed the little songsters in the winter time. 15c lb.

Bird Sand for Canaries and other birds. Very necessary. What we offer is sifted and free from all dust. Carton, 15c per lb. Parcel Post weight, 3 lbs.

Spratts Fish Food—20c, postpaid, 25c.

Catnip Mouse—Make kitty happy. 15c, postpaid.

Burnetts Lightning Bird Regulator—25c, postpaid 32c.

Burnetts Unexcelled Bird Food—25c, postpaid 32c.

Spratts Cod Liver Oil Cage Bird and Nesting Food—25c, postpaid 32c.

Spratts Egg Flake and Fruit Bird Food—25c, postpaid 32c.

Spratts Sing Song—A dainty for cage birds. 20c, postpaid 25c.

Pratts

"QUALITY" POULTRY FEEDS

Pratts Buttermilk Baby Chick Food

the original "baby food for baby chicks." It has taken all the guess, worry and loss out of raising baby chicks. Use it the first month to six weeks and watch results. Chicks grow strong, uniform, vigorous and sturdy and are free from leg weakness, "pasting up" and digestive troubles.

Equally good for young turkeys, guineas, ducks, pheasants and game birds. A perfect "baby food" for young fowls.

In packages and 5, 10, 14, 25, 50 and 100-lb. bags.

After the little fellows are about a month old switch them to

Pratts Buttermilk Growing Mash

This splendid mash for the growing youngsters supplies an abundance of every element needed for making bone, muscle, feathers and health. Insures vigor and quick, uniform growth. When they are matured give them

Pratts Buttermilk Laying Mash and Pratts Scratch Feeds

PRATTS BUTTERMILK BABY CHICK FOOD. Pkg. 25c and 50c, postpaid 32c and 60c; 5-lb. bag, 40c, postpaid 50c; 10-lb. bag, 65c, postpaid 80c; 14-lb. bag, \$1.00, postpaid \$1.25; 25-lb. \$1.50, postpaid \$1.80; 50-lb. \$2.75, postpaid \$3.30; 100-lb. \$5.00.

PRATTS BUTTERMILK GROWING MASH. Lb. 6c; 100 lbs. \$4.25.

PRATTS BUTTERMILK VICTORY LAYING MASH. Lb. 5c; 100 lbs. \$3.75.

PRATTS VICTORY CHICK SIZE SCRATCH FEED. Lb. 6c; 100 lbs. \$3.75.

PRATTS INTERMEDIATE SIZE SCRATCH FEED. Lb. 6c; 100 lbs. \$3.75.

PRATTS LARGE SIZE SCRATCH FEED. Lb. 5c; 100 lbs. \$3.25.

PRICES ON PRATT'S GRAIN AND MASH FEEDS SUBJECT TO MARKET CHANGES

Pratts Poultry Regulator (For Health and Eggs)—Use it the year 'round for breeders, layers and growing stock. Pkg. 25c and 50c, postpaid 33c and 61c. 12-lb. pail, \$1.65, postpaid \$1.83; 25-lb. pail, \$3.00, postpaid \$3.31; 100-lb. drum, \$10.00, postpaid.

Pratts White Diarrhea Tablets in the drinking water for the first couple of weeks. Proven by years of success, it will save you many dollars and chicks. Guaranteed. 25c and 50c packages.

Pratts Special Compound—For indigestion, sour crop, diarrhea and bowel troubles, commonly called CHOLERA. Gives quick, effective relief. Easy to use. Certain in action. Guaranteed. 25c and 50c packages postpaid.

Pratts Red Mite Special—Paint or spray around the poultry house, on nests, roosts, etc., it is sure death to all mites and lice. Powerful, efficient, lasting. Use it where others have failed. It will surprise you. 50c a quart; 90c a half gallon; \$1.50 a gallon, not mailable.

Pratts Poultry Disinfectant insures poultry health. It is a cheap, powerful, non-poisonous disinfectant. Quart, 55c; half gallon, 90c; gallon, \$1.50, not mailable.



Pratts Roup Tablets (or Powder)—Save your birds from heavy roup losses. Guaranteed to give satisfaction or your money back. 25c and 50c packages postpaid.

Pratts Gape Compound an effective, easy remedy that will prevent further losses and save the sick chicks. External. 25c and 50c packages postpaid.

Pratts Bronchitis Tablets—25c and 50c a box. **Pratts Head Lice Ointment**, 30c, postpaid.

Pratts Lice Save—25c and 50c postpaid.

Pratts Scaly Leg Ointment—30c and 60c a box, postpaid.

Pratts Condition Tablets—25c and 50c boxes, postpaid.

Pratts Sore Head Chicken Fox Remedy—30c and 60c packages, postpaid.

Pratts Powdered Lice Killer is powerful, economical, non-poisonous and non-irritating. For use on poultry, in dustbaths, nests, etc. Rids poultry of all aces, dogs, cats, horses, cattle, hogs and sheep of lice, ticks and other insect pests. Can also be used on vines, plants and flowers. In sifter cans, 25c and 50c. Postpaid, add 5c & 10c.



Dog and Cat Foods, Remedies, Etc.



Peerless Dog Food—A food for dogs and puppies. The best dog food on the market in the shape of meal; can be fed dry or wet. We have hundreds of customers who are feeding this highly nutritious food. Price of Food, 1 lb. 10c; 5 lbs. 45c; 10 lbs. 80c; 100 lbs. \$6.00. Price subject to change.

Spratt's Meat Flourine Vegetable Dog Cakes—A staple food for all breeds; too well known to be described. Price, 1 lb. 15c; 100 lbs. \$13.50. Price subject to change.

Spratt's Puppy Biscuits—The standard puppy food. 1 lb. 15c; 100 lbs. \$14.00.

Spratt's Ovals—The Pocket Dog Biscuit. 40c, postpaid 49c; 100 lbs. \$13.50.

Spratt's Fibo—An appetizing and flesh-forming food for puppies and dogs out of condition. Pkg. 40c, postpaid 49c; 100 lbs. \$15.00.

Spratt's All Terrier Meal—A fine food for dogs or puppies. 1 lb. 15c; 5 lbs. 65c; 10 lbs. \$1.25; 25 lbs. \$2.75; 100 lbs. \$10.00.

Spratt's White Dog Soap—Death to fleas. Price, 25c; postpaid 30c.

Spratt's Cooling and Alterative Tablets—60c. Postpaid.

Spratt's Tonic and Condition Tablets—60c. Postpaid.

Distemper Tablets for Toy Dogs and Puppies—\$1.00. Postpaid.

Vermifuge Capsules for Toy Dogs and Puppies—60c. Postpaid.

Spratt's Constipation Tablets—60c.

Spratt's Diarrhoea Tablets—60c, postpaid.

Spratt's Distemper Tablets—\$1.00. Postpaid.

Spratt's Constipation Tablets—60c. Postpaid.

Spratt's Worm Capsules—60c.

Spratt's Mange Medicine—75c; postpaid 85c.

Sergeant's Dog Remedies and Food

Sergeant's Kibbled Dog Food—A very nutritious food for dogs or puppies. 1 lb. 15c; 2 lbs. 25c; 5 lbs. 60c; 10 lbs. \$1.15; 100 lbs. \$10.

Distemper Medicine—Price, \$1.20. Postpaid.

Mange Medicine—Price, 65c; 75c postpaid.

Condition Pills—Price, 60c. Postpaid.

Sure Shot Capsules—Price, 60c. Postpaid.

Sure Shot Liquid—Price, 60c.

Arsenic and Iron Pills—Price, 60c. Postpaid.

If wanted by parcel post, be sure to include postage in your remittance if not marked postpaid.

Dog Rub (a Liniment)—Price 60c; 70c postpaid.

Canker Wash—Price, 60c; 70c postpaid.

Cough Medicine—Price, 60c; 70c postpaid.

Well Mouth (Sore Mouth and Black Tongue)—Price 60c; 70c postpaid.

Eye Wash—Price, 60c; 70c postpaid.

Tape Worm Medicine—Price, 60c. Postpaid.

Rheumatism Pills—Price, 60c. Postpaid.

Constipation Capsules—Price, 60c. Postpaid.

Skip-Flea Soap—Price, 25c. Postpaid.

Carbolic-Tar Soap—Price, 25c. Postpaid.

Send for special book on dogs—Spratts, Sergeants and Glovers.

Glover's Dog Medicines

A REMEDY FOR EVERY DISEASE
DOG BOOK ON REQUEST.

Pure Cedar Bedding

FOR USE WITH DOGS, POULTRY AND PETS
A Preventive of Disease and Vermin

NO FLEAS, NO VERMIN, NO DISEASE where Cedar Bedding is used. ENDORSED BY DOG HOSPITALS and large kennels of the country and by many Poultry Fanciers.

PRICES OF CEDAR BEDDING

100-lb. bales	\$6.50
50-lb. bales	3.75
25-lb. bales	2.25
1-lb. bales, postpaid	.40

Ken-L-Ration is composed of clean wholesome meat, the best grade of cereals and Norwegian Cod Liver Oil in exactly the right proportions to make a perfect balanced ration. 1-lb. can 18c; postpaid, 25c; 3 lbs. 50c; postpaid, 60c. Case of 48 cans, \$7.25.

KIT-E-RATION—The ingredients in this cat food contain properties so very essential for the growth and development of the cat or kitten. 1 lb. can 18c, postpaid 25c; 3 lbs. 50c, postpaid 60c.

D. & G. DOG FOOD BISCUIT—A perfectly balanced ration. 1 lb. 15c; 2 lbs. 25c; 5 lbs. 60c; 10 lbs. \$1.00; 100 lbs. \$9.00; 50 lbs. at 100 rate.

Dethol

IMPROVED

"Destroys all insects. It is stainless; can be sprayed direct on poultry. A thorough disinfectant. ½ pt. 50c; 1 pt. 75c; 1 qt. \$1.25; 1 gal. \$4.00. Combination Sprayer and Pint of Dethol, \$1.00. Being a liquid, it cannot be sent by parcel post; express only.



Conkey's Roup Remedy

Prices—Pkg. 25c, 50c, \$1.00, postpaid; 1½-lb. can, \$2.50, postpaid; breeder size (5-lb. can), \$5.50, postpaid.

Conkey's Roup Pills—Pkgs. 25c, 50c, \$1.00, postpaid; breeder size (1,000 pills), \$2.75; postpaid, \$2.85.

CONKEY'S WHITE DIARRHEA REMEDY

As a preventive of bowel troubles, White Diarrhea and other digestive complaints, this remedy has given great satisfaction for many years.

Prices—25c, 50c, \$1.00, postpaid. Breeder size (1,200 Tablets), \$3.75; postpaid, \$3.85.

Conkey's Cholera Remedy—Pkgs. 25c, 50c, \$1.00, postpaid; breeder size (5 lbs.), \$2.50, postpaid.

Conkey's Poultry Laxative—Pkgs. 25c, 50c; or 30c, 55c, postpaid; breeder size (5 lbs.), \$2.75; or \$2.90, postpaid.

Conkey's Canker and Bronchitis Remedy—Pkg. 50c; pt. \$1.20; qt. \$2.00; gal. \$7.00. All sent carrying charges extra.

Conkey's Sorehead Remedy—Pkgs. 25c, 50c; or 30c, 55c, postpaid; breeder size (1 lb. salve, 5 lbs. powder) \$3.50; \$3.65, postpaid; 10 lbs. powder only, \$3.50; \$3.65, postpaid.

Conkey's Gape Remedy—Combined, external and internal. Pkgs. 25c, 50c; or 30c, 55c, postpaid.

Conkey's Poultry Conditioner—Pkgs. 25c, 50c; or 30c, 55c, postpaid.

Conkey's Limberneck Remedy—Pkg. 50c; or 55c, postpaid.

Conkey's Blackhead Remedy—Pkg. 50c; or 55c, postpaid.

Conkey's Lice Fix—Pkgs. 25c, 50c; or 30c, 55c, postpaid.

Conkey's Head Lice Ointment—Pkgs. 10c, 25c; or 15c, 30c, postpaid.

Conkey's Scaly Leg Remedy—Pkg. 25c, or 30c, postpaid.

Conkey's Nox-I-Cide—High grade disinfectants dip. lice liquid and germicide. Pt. 50c; qt. 80c; 2 qts. \$1.30; 1 gal. \$2.00. Not mailable.

Conkey's Poultry Worm Remedy—Pkgs. 25c, 50c; or 30c, 55c, postpaid; breeder size (5 lbs.), \$2.75; or \$2.85, postpaid.

Conkey's Poultry Tonic—Pkgs. 1½ lbs. 25c; 3½ lbs. 50c; 7 lbs. \$1.00; pails, 12 lbs., \$1.60; 25 lbs. \$3.00; bags, 50 lbs., \$5.00; 100 lbs. \$9.50. Parcel post, express or freight charges extra.

Conkey's Y. O. Yeast With Cod Liver Oil—1 lb. 55c; 2 lbs. \$1.00; 5 lbs. \$2.00; 25 lbs. \$11.25; 50 lbs. \$20.00; 100 lbs. \$32.50.

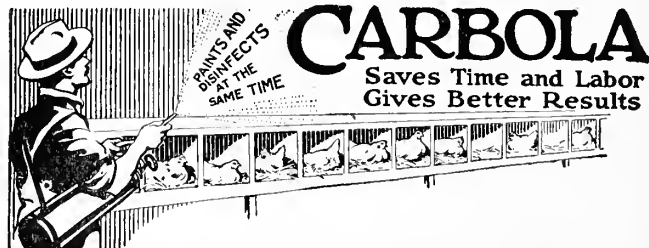
Oculum—A remedy and preventive for most poultry diseases, also tonic. 50c. Not mailable.

Cholérine—One of the best poultry tonics and general remedy known. Pkg. 50 tablets 65c, postpaid. In liquid form, 16 oz. 65c. Liquid not mailable.

LEE'S "GIZZARD WORM CAPSULE"—Expels worms without sickening the chicken or retarding egg production. 100 Capsules \$1.00, postpaid.

LEE'S LICE KILLER—Liquid—Qt. 60c; 2 qts. 90c; 1 gal. \$1.50.

LEE'S GERMO-ZONE—The best tonic for poultry of all kinds. Cures roupe, cholera, and other poultry diseases. 32-oz. bottle \$1.50; 12-oz. bottle. 75c; 4-oz. bottle. 40c; not mailable; in tablet form, 65c and 25c, postpaid.



CARBOLA—The Disinfectant That Paints—Use it instead of White-wash. Put on with a brush or sprayer; also recommended as a dust for nests, etc.

Particularly good for use in stables, cow barns, chicken coops, dairies, hog pens, creameries, cellars, factories, outbuildings, for cleaning and disinfecting at the same time. Prices: 5 lbs. 75c, makes 2½ gals.; postpaid 87c; 10 lbs. \$1.25; postpaid \$1.42; 50 lbs. \$5.00; postpaid, \$5.60.

BARIUM CARBONATE—A tasteless and odorless mineral recommended by the U. S. Government for exterminating rats and mice. It was used for cleaning Baltimore of this pest. 25c pkt. \$2.50 per doz. Not mailable.

CYANOGEN A—Dust for Rats and Mice—Pump dust in open rat hole with Cyanogas duster. Plug all holes from which dust is seen to emerge. Continue pumping until reasonably sure that the dust has permeated the rat warrens. Remove duster nozzle and block hole. Treat next open hole in same manner. Continue until all holes have been plugged. 1 lb. 75c; 5 lbs. \$3.00. Not mailable.

Rax Rat and Mouse Killer

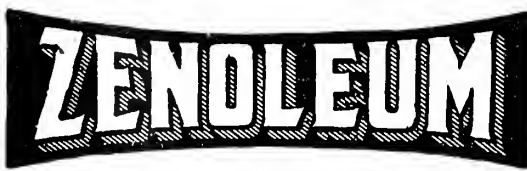


Harmless to human beings, animal pets, poultry and birds, but a virus deadly to rats and mice and all rodents. May be used anywhere with absolute safety.

It gets them all and is therefore the cheapest rat exterminator on the market at any price. Price, 75c per bottle, postpaid.

CARBOLINEUM—Will keep your Poultry House clean and free from Mites, Lice and Ticks. It is valuable for the fruit grower as a bark treatment. The best wood preserver known and of great benefit for the farmer, for dipping seed corn, to keep the crows from eating it. Gallon \$1.50. Cannot be sent parcel post.

GERMO CREOSOTE DISINFECTANT AND DIP—1 qt. 50c; 2 qts. 90c; 1 gal. \$1.50.



"Zenoleum" Disinfectant, Lice Killer and Animal Dip—We have been selling this article for years, and find it most

satisfactory. One gallon makes 100 gallons of fluid. 8 oz. 35c; 1 pt. 50c; 1 qt. 75c; 2 qt. \$1.25; 1 gal. \$2.00; 5 gal. \$8.00. Not mailable.

ZENNERGY—Wonderful poultry tonic. Price, \$1.00, postpaid.

Walko Remedies

WALKO WHITE DIARRHEA, ROUP AND CHOLERA TABLETS—Price 50c and \$1.00 pkg., both postpaid.

WALKO EGG MAKER (Tonix)—Price, 50c and \$1.00; postpaid, 60c and \$1.15, respectively.

WALKO SPECIAL LICE POWDERS—Price, 50c; postpaid, 60c.



M.-S. WONDER BRED CHICKS

Are hatched to live and mature to big fine healthy specimens. We are this season hatching thousands weekly, and are better prepared than ever to fill wants of patrons.

We advise placing orders ahead of time, as the demand for our M. & S. WONDER BRED CHICKS is always great. We will start deliveries the last week in February and continue until the first of June on all popular breeds.

LIST OF M.-S. WONDER BRED CHICKS

Prices for February and March Subject to Change
Without Notice

Special prices on 500 and over lots.

	100	50	25	12
Single Comb White Leghorns.....	\$15.00	\$8.00	\$4.25	\$2.50
Single Comb Brown Leghorns.....	15.00	8.00	4.25	2.50
Single Comb Buff Leghorns.....	15.00	8.00	4.25	2.50
Single Comb Black Minorcas.....	18.00	9.50	5.00	3.00
Single Comb Mottled Anconas.....	18.00	9.50	5.00	3.00
Barred Plymouth Rocks.....	18.00	9.50	5.00	3.00
Rhode Island Reds.....	18.00	9.50	5.00	3.00
White Wyandotte.....	18.00	9.50	5.00	3.00
White Plymouth Rocks.....	20.00	10.50	5.50	3.25
Buff Plymouth Rocks.....	20.00	10.50	5.50	3.25
Buff Orpington.....	20.00	10.50	5.50	3.25

April prices \$1.00 per 100 less than February and March.
May and June prices \$1.00 per 100 less than April.
Small quantities accordingly. Prices Subject to Change.

DON SUNG

Chinese for Egg-Laying
Makes Hens Lay in Any
Weather



COSTS NOTHING TO TRY

Every poultry raiser is invited to try Don Sung—at our risk. Separate 15 hens and give them Don Sung for one month. Then watch results. If Don Sung pays you, keep on with it. If you don't think it has paid you, tell us and back comes your money. No argument to it. Don Sung is guaranteed—try it, at our risk. Prices of Don Sung Tablets: Small size, 50c; large size (3 times the 50c size), \$1.00; Special Size (6 times the \$1.00 size), \$5.00. We can also supply POWDERED Don Sung (for large flocks) at these prices: 3 lbs. (same quantity as \$5.00 package of tablets), \$5.00; 10 lbs. \$10.00; 25 lbs. \$20.00; 50 lbs. \$35.00; 100 lbs. \$65.00. All postpaid.

AVICOL

For White Diarrhea
in Chicks and Black-
Head in Turkeys

USE AVICOL FOR PREVENTION AND TREATMENT

Don't sit back and say your loss of baby chicks can't be stopped. It CAN BE STOPPED—easily, quickly, and at almost no expense. All you need do is drop an Avicol tablet in the water occasionally. Avicol is a special bowel antiseptic. It stops disease and prevents its spread by destroying germ life and helping the chick withstand infection. Price, 50c; Special Large Size (almost 3 times 50c size), \$1.00. Postpaid.

Talcimized Sodium Fluoride Kills Chicken Lice

Talcimized Sodium Fluoride (called "T. S. F.") is made especially for poultry use. It is less irritating than straight Sodium Fluoride, penetrates the plumage more thoroughly, and comes packed in a moisture-proof, shaker-top package bearing the U. S. Government's directions for using. It is convenient—never cakes or loses strength—and always does the work. Full directions are on every can of T. S. F. for use in three ways, either by dip, dusting or pinch methods. Prices—Small Size (for 50 chickens), 35c, postpaid 40c; Large Size (twice the 35c size), 60c, postpaid 70c; Special Size (5 times 60c size), \$2.50, postpaid \$2.65.

Roup-Over

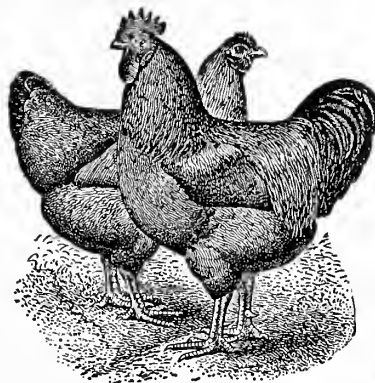
"The Over-Night Roup Remedy" For Roup, Canker and Colds

Use Roup-Over at the very beginning of colds in your flock. It clears the air passages and brings relief with magic quickness. Easily used, both for individual treatment and in the drinking water for flock prevention. Leading poultry raisers everywhere now use Roup-Over, the over-night roup remedy. It's so easy! So sure! There's no other remedy like it—nothing "just as good." Have a bottle ready to use when you need it. Price, 50c; Large Size (3 times 50c size), \$1.00. Not available.

NOTICE!

Due to the close margin on which baby chicks, eggs and all live stock is sold we are obliged to sell this commodity for spot cash only. All orders should be accompanied by cash. One-fourth (25 per cent) of the amount of the order should accompany all orders for baby chicks for future delivery.

We exercise the greatest of care to send out vigorous and healthy chicks, but due to the many causes which hinder the growth and health of chicks, it is impossible for us to guarantee their development.



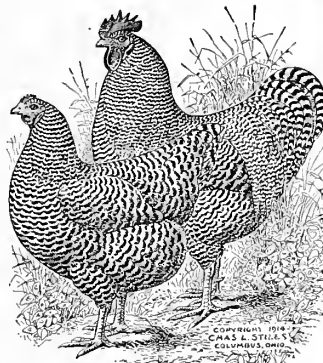
Single Comb Rhode Island Reds

Single Comb Rhode Island Reds

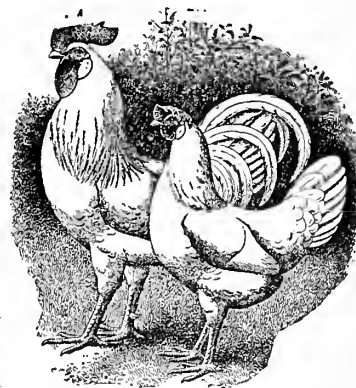
These splendid fowls have a great many admirers, and are one of the best all-around fowl.

S. C. Leghorns

The most popular fowl of the day. They grow very fast, often laying when only four or five months old; non-setters. Three varieties—White, Brown, and Buff Leghorns.



Barred Plymouth Rocks

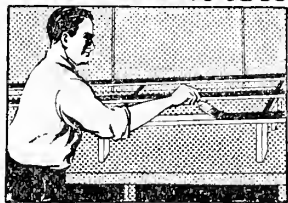


Single Comb White Leghorns

Plymouth Rocks

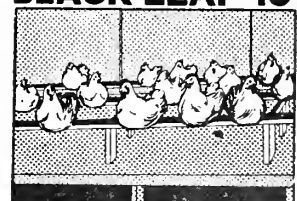
The best general purpose fowl; good layers, splendid breeders, are hardy and vigorous. Three varieties: Barred, White, and Buff Rocks.

"PAINT THE ROOSTS"



WITH "BLACK LEAF 40"

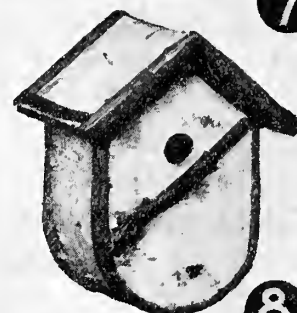
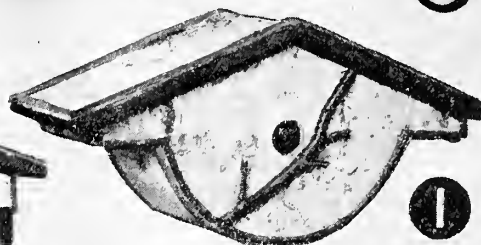
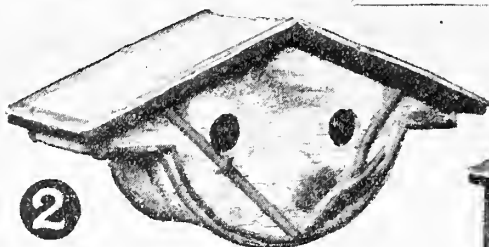
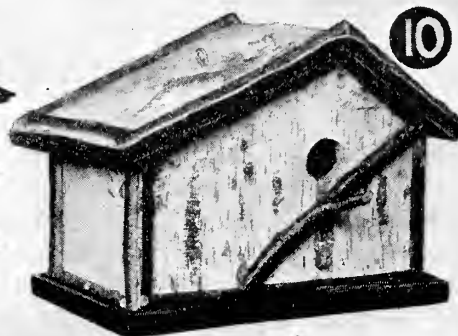
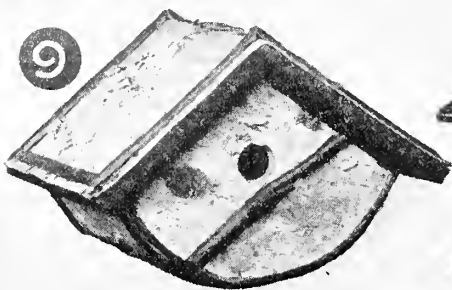
"BLACK LEAF 40"



WORKS WHILE THEY ROOST

To the Poultry Industry we take pleasure in announcing a new method of controlling poultry lice with "Black Leaf 40," discovered by Mr. William R. Stewart, a poultryman of Arcadia, Calif. This discovery of a new use for this "Old Reliable" and time-proven product will be of inestimable value to poultrymen everywhere. 10-lb. tin, \$11.85. Treats 1900 to 2400 running feet of roost. 2-lb. tin, \$3.25. Treats 385 to 480 running feet of roost. 1/2-lb. bottle, \$1.25. Treats 90 to 120 running feet of roost. 1-ounce bottle, 35c. Treats 12 to 15 running feet of roost. Not available.

DR. HESS' POULTRY PAN-A-CEA—Guaranteed tonic and egg producer. 1 1/2-lb. pkg. 25c, postpaid 33c; 6-lb. pkg. 75c, postpaid 88c; 12-lb. pkg. \$1.50, postpaid \$1.68; 25-lb. pail \$3.00, postpaid \$3.31; 50 lbs. \$5.50, postpaid \$6.06; 100 lbs. \$10.00.



Birds are great destroyers of insect life. Put up one or more of these attractive Bird Houses, to entice the birds to your surroundings

No. 1—1 Apt. Blue Bird House. \$2.25; postpaid \$2.40.

No. 2—2 Apt. Blue Bird House. \$2.50; postpaid \$2.65.

No. 3—2 Apt. Octagon Swallow House. \$4.50; postpaid \$4.75.

No. 4—Woodpecker and Flicker House. \$4.75; postpaid \$5.00.

No. 5—Robin Shelter House. \$2.75; postpaid \$2.90.

No. 6—Feeding Station House. \$2.00; postpaid \$2.15.

No. 7—Round Log Wren House. \$1.00; postpaid \$1.10.

No. 8—Long Oval Wren House. \$1.50; postpaid \$1.60.

No. 9—Small Oval Chickadee House. 1.50; postpaid \$1.60.

No. 10—Shanty Wren House. \$1.50; postpaid \$1.60.

No. 15—Circle Top Wren House. 90c; postpaid, \$1.

No. 11—24 Apt. Martin House—a prize winner. \$15; postpaid \$15.50.

Scarlet Sage.
10c pkt.

Double Hollyhock.
10c pkt.

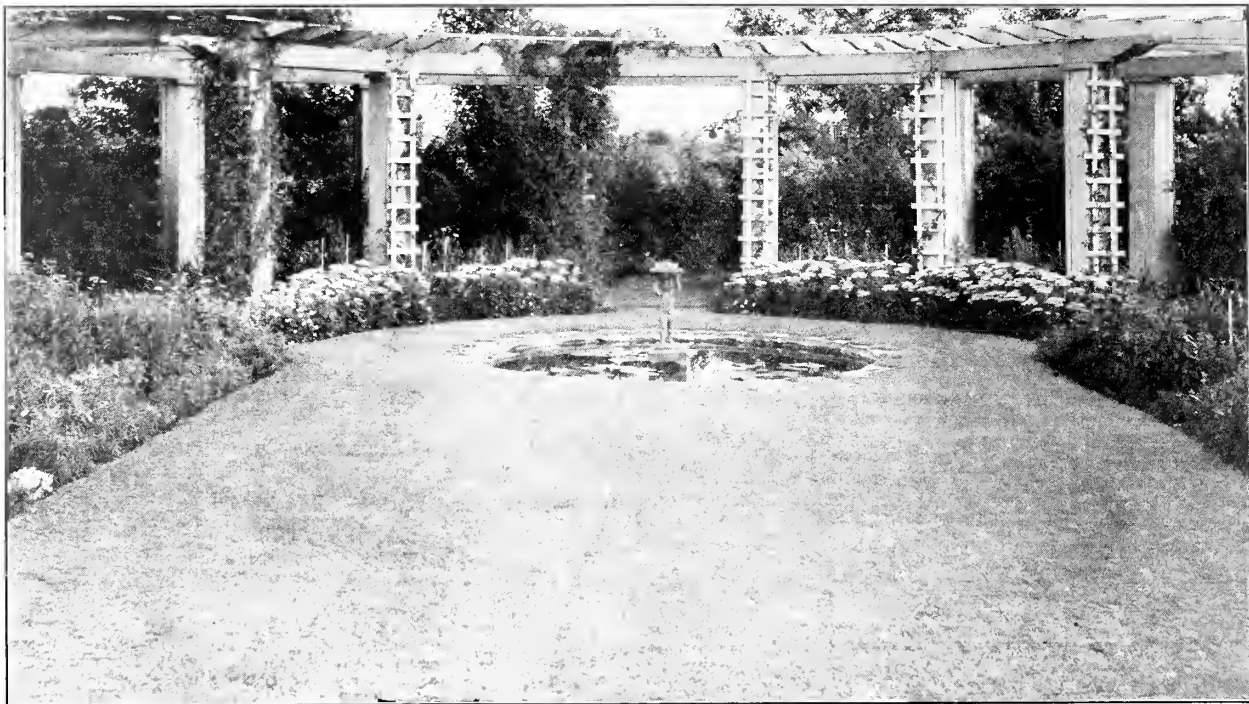
M-S Spencer Sweet Peas.
10c pkt.

M-S. Triumph of Giant
Pansy. 25c pkt.

M-S Dahlia-Flowered Zinnia.
20c pkt.

A large packet each of these five
Popular Flower Seeds for 50c.
Regular selling price, 75c.
Postpaid.

For description of M-S. Dahlia-
Flowered Zinnia, see page 36.



Better Lawns, Flowers, Shrubs

*Professional Gardeners and Nurserymen Say
"Use Vigoro for Gardening Success"*

Scores of expert gardeners and thousands of home owners have found Vigoro an economical, practical and effective way to secure finest results in growing lawns, flowers, shrubs and trees.

For Vigoro is a scientific, complete, clean and odorless plantfood, perfected by Swift & Company plantfood experts.

Vigoro contains all the elements of plantfood in the correct proportions for vigorous and healthy growth. It costs only 10 cents to 20 cents for each 100 square feet.

This year have the beautiful lawn, flowers, shrubs and trees you have always wanted — fresh vegetables of all kinds. Full directions for applying in every bag.

A Swift & Company Product

100 lb. bag \$5.00
50 lb. bag \$3.00

F. O. B. Baltimore.

25 lb. bag \$1.75
5 lb. bag \$.50

For Parcel Post, add postage.

VIGORO



Complete Plantfood

Endorsed by Leading Landscape Gardeners and Nurserymen